

A

- Aarbakke, G.M. see O.-B. Tysnes (218) 68
- Aarsman, A.J., G. Mynbeek, H. van den Bosch, B. Rothhut, B. Prieur, C. Comera, L. Jordan and F. Russo-Marie, Lipocortin inhibition of extracellular and intracellular phospholipases A_2 is substrate concentration dependent (219) 176
- Aasa, R., L.-E. Andréasson, G. Lagenfelt and T. Vänngård, A comparison between the multiline EPR signals of spinach and *Anacystis nidulans* and their temperature dependence (221) 245
- Aaviksaar, A. see V. Tõugu (225) 77
- Abbott, M.S., N. Shavit, S. Selman-Reimer and B.R. Selman, Characterization of nucleotide-binding sites on the chloroplast coupling factor 1 using two photolabile analogs (209) 157
- Abbott, W.M. see C. Southan (214) 301
- Abdel-Latif, A.A. see P.H. Howe (215) 279
- Abdulaev, N.G., I.R. Nabiev, R.G. Efremov and G.D. Chumanov, Retinal Schiff base position relative to the surfaces of photoreceptor disk (213) 113
- Abe, E. see J. Abe (226) 58
- Abe, E. see T. Hayashi (218) 200
- Abe, J., M. Morikawa, K. Miyamoto, S. Kaiho, M. Fukushima, C. Miyaara, E. Abe, T. Suda and Y. Nishii, Synthetic analogues of vitamin D_3 with an oxygen atom in the side chain skeleton: A trial of the development of vitamin D compounds which exhibit potent differentiation-inducing activity without inducing hypercalcemia (226) 58
- Abell, C.W. see A. Brossi (214) 291
- Abraham, A.K. see G. Burns (208) 217
- Abrahamson, M., A. Grubb, I. Olafsson and Å. Lundwall, Molecular cloning and sequence analysis of cDNA coding for the precursor of the human cysteine proteinase inhibitor cystatin C (216) 229
- Abramowitz, J. see W.N. Suki (220) 187
- Acher, R. see J. Chauvet (217) 180
- Acher, R. see M.T. Chauvet (210) 40
- Adachi, H. see A. Yamaguchi (218) 126
- Adachi, H., T. Ohta and H. Matsuzawa, A water-soluble form of penicillin-binding protein 2 of *Escherichia coli* constructed by site-directed mutagenesis (226) 150
- Adam, A. see J.-P. Tenu (220) 93
- Adam, Z. and R. Malkin, Reconstitution of isolated Rieske Fe-S protein into a Rieske-depleted cytochrome b_6-f complex (225) 67
- Adams, M.J. see M.M. Bhadbhade (211) 243
- Adams, R.L.P. and A. Rinaldi, Effect of echinomycin on DNA methylation (215) 266
- Adams, S.P. see G.M. Olins (224) 325
- Adavani, S.R. see B.A. Hemmings (209) 219
- Adler, A. see S.I. Walaas (220) 311
- Adrouche, N. see S. Benjannet (224) 142
- Aerts, R.J., R.J.W. De Wit and M.M. Van Lookeren Campagne, Cyclic AMP induces a transient alkalization in *Dictyostelium* (220) 366
- Agalarov, S.C. see S.D. Trakhanov (220) 319
- Agalarov, S.C. see S.E. Sedelnikova (220) 227
- Agarwal, D.P. see T. Braun (215) 233
- Agarwal, M.K., B. Hainque, N. Moustaid and G. Lazer, Glucocorticoid antagonists (217) 221
- Aggeler, R. see R. Ghosh (222) 154
- Agneray, J. see C. Aussel (214) 327
- Agostinis, P., J.R. Vandenheede, J. Goris, F. Meggio, L.A. Pinna and W. Merlevede, The ATP, Mg-dependent protein phosphatase: regulation by casein kinase-1 (224) 385
- Ahmad, A., R.K. Gordon and P.K. Chiang, A microtechnique for quantification of detergent-solubilized muscarinic and nicotinic acetylcholine receptors using a semiautomated cell harvester (214) 285
- Ahmad, S. and R.A. Jensen, The prephenate dehydrogenase component of the bifunctional T-protein in enteric bacteria can utilize L-arogenate (216) 133
- Ahomadegbe, J.-C. see J.-F. Riou (213) 304
- Aimoto, S. see Y. Shimonishi (215) 165
- Aitken, A. see A.P. Bradford (222) 211
- Aitken, A. see C.A. Ellis (218) 238
- Aitken, A. see C. Southan (214) 301
- Aitken, A. see S.F. Brooks (224) 109
- Aizono, Y. see T. Utsumi (216) 99
- Akerboom, T.P.M. see J.C. Griffiths (213) 34
- Åkerström, G. see P. Nygren (213) 195
- Akhrem, A.A. see M.A. Rodionov (223) 402
- Akiba, I. see T. Kubo (209) 367
- Akiyama, K., T. Nakamura, S. Iwanaga and M. Hara, The chymotrypsin-like activity of human prostate-specific antigen, γ -seminoprotein (225) 168
- Akiyama, T. see M. Hoshi (217) 237
- Akiyama, T. see Y. Ohta (222) 305
- Akkerman, J.W.N. see W. Siffert (212) 123
- Akopyanz, N.S. see E.D. Sverdlov (221) 129
- Aksenova, N.B. see Yu.S. Borovikov (223) 409
- Aktories, K. see J. Vandekerckhove (225) 48
- Aktories, K. see S. Rösener (224) 38
- Aktories, K., U. Weller and G.S. Chhatwal, *Clostridium botulinum* type C produces a novel ADP-ribosyltransferase distinct from botulinum C2 toxin (212) 109
- Akutsu, H. see S. Nishimoto (213) 293
- Al-Kabban, M. see J. Reglinski (214) 351
- Al-Mohanna, F.A., I. Ohishi and M.B. Hallett, Botulinum C_2 toxin potentiates activation of the neutrophil oxidase: Further evidence of a role for actin polymerization (219) 40
- Albagnac, G. see E. Samain (216) 140
- Albert, K.A. see S.I. Walaas (220) 311
- Albuquerque, E.X. see C. Rapier (212) 292
- Albuquerque, E.X. see D.R.E. Macallan (226) 357
- Albuquerque, E.X. see Y. Aracava (222) 63
- Aldanova, N.A. see Yu.A. Ovchinnikov (217) 269
- Alder, L. see H. Kühn (208) 248
- Aleman, S. see O.B. da Cruz e Silva (221) 415
- Aletsee, M.C. see O.K. Langley (220) 108
- Alfani, E. see C. Delfini (210) 17
- Alfsen, A. see C. de Paillerets (219) 113
- Alhonen-Hongisto, L. see P. Leinonen (215) 68
- Alibert, G. see M. Dillenschneider (208) 413
- Alitalo, R., The *bcr-c-abl* tyrosine kinase activity is extinguished by TPA in K562 leukemia cells (222) 293
- Allakhverdiev, S.I., E. Šetlíková, V.V. Klimov and I. Šetlík, In photoinhibited photosystem II particles pheophytin photoreduction remains unimpaired (226) 186
- Allan, E.H. see A.E. Fletcher (208) 263
- Alleman, J. see J.A.W.H. Vermeulen (219) 426
- Allen, A.K. see A.M. Vranken (216) 67
- Allen, A.K. see E.J.M. Van Damme (215) 140
- Allen, A.K. see W.F. Broekaert (220) 116
- Allen, E. see R.I. Norman (212) 127
- Allen, J.F. see R.S. Williams (225) 59
- Allen, T.M. and A. Chonn, Large unilamellar liposomes with low uptake into the reticuloendothelial system (223) 42
- Allende, C.C. see A. Taylor (226) 109
- Allende, J.E. see A. Taylor (226) 109
- Allende, J.E. see P. Carvallo (215) 109

- Allikmets, R.L. see E.D. Sverdlov (217) 275
 Allikmets, R.L. see Yu.A. Ovchinnikov (213) 73
 Allorio, M. see J.L. Lorenzo (218) 77
 Allsopp, M.T.E.P. see I.N.M. Day (222) 139
 Ally, S. see D. Katsaros (223) 97
 Ally, S. see T. Clair (224) 377
 Alon, R. see M.S. Meyer (212) 138
 Alpert, B. see S. Pin (208) 325
 Alster, D. see P.F. Torrence (212) 267
 Altin, J.G. see C. Preston (210) 27
 Altin, J.G. see P. Dieter (213) 174
 Altmann, F., L. März, S. Stirn and F.M. Unger, Two additional bacteriophage-associated glycan hydrolases cleaving ketosidic bonds of 3-deoxy-D-manno-octulosonic acid in capsular polysaccharides of *Escherichia coli* (221) 145
 Alvarez, E. see J.G. de Diego (222) 256
 Alvarez, J.F. see I. Varela (211) 64
 Amano, T. see H. Nakayama (208) 278
 Amano, T. see T. Yamakuni (223) 117
 Ambler, R.P., A.D. Auffret and P.H. Clarke, The amino acid sequence of the aliphatic amidase from *Pseudomonas aeruginosa* (215) 285
 Ameen, M. and P.L. Chang, Pseudo arylsulfatase A deficiency: Biosynthesis of an abnormal arylsulfatase A (219) 130
 Ameliazad, Z., J.F. Narbonne, C. Borin, L.W. Robertson, A. Periquet and F. Oesch, Effect of unbalanced diets on incorporation of δ -aminolevulinic acid into cytochrome P-450 (220) 231
 Amons, R. see G.D.F. Maessen (208) 77
 Amons, R. see G.D.F. Maessen (223) 181
 Amons, R., Vapor-phase modification of sulfhydryl groups in proteins (212) 68
 Amrute, S.B. see V.N. Pandey (213) 204
 Andersen, J., A model for the interaction of nucleic acids with transcription factor IIIA (217) 197
 Anderson, G.J. and S. Kumar, Transacylase activity of lactating bovine mammary fatty acid synthase (220) 323
 Anderson, J.M. and D.J. Goodchild, Transbilayer organization of the main chlorophyll *a/b*-protein of photosystem II of thylakoid membranes (213) 29
 Anderson, J.M. see M. Spangfort (224) 343
 Anderson, L.E., Ribose-5-phosphate isomerase and ribulose-5-phosphate kinase show apparent specificity for a specific ribulose 5-phosphate species (212) 45
 Anderson, W.B. see I. Magaldi (210) 6
 Anderson, W.B. see R. Gopalakrishna (225) 233
 Andersson, B. see E. Glaser (223) 304
 Andersson, B. see M. Spangfort (224) 343
 Andersson, B. see P. Mäenpää (215) 31
 Andersson, B. see T. Jansen (216) 234
 Anderton, B.H. see J.-P. Brion (226) 28
 Anderton, B.H. see P.A. Robinson (209) 203
 Andreasen, P.A., A. Riccio, K.G. Welinder, R. Douglas, R. Sartorio, L.S. Nielsen, C. Oppenheimer, F. Blasi and K. Danø, Plasminogen activator inhibitor type-1: reactive center and amino-terminal heterogeneity determined by protein and cDNA sequencing (209) 213
 Andréasson, L.E. see R. Aasa (221) 245
 Andreo, C.S., D.H. Gonzalez and A.A. Iglesias, Higher plant phosphoenolpyruvate carboxylase: Structure and regulation (213) 1
 Andrews, P.C. see T.P. Mommsen (219) 227
 Andreyev, A.Yu., T.O. Bondareva, V.I. Dedukhova, E.N. Mokhova, V.P. Skulachev and N.I. Volkov, Carboxyatractylate inhibits the uncoupling effect of free fatty acids (226) 265
 Andrianjara, R. see D. Rogez (219) 22
 Andus, T., T. Geiger, T. Hirano, H. Northoff, U. Ganter, J. Bauer, T. Kishimoto and P.C. Heinrich, Recombinant human B cell stimulatory factor 2 (BSF-2/IFN- β 2) regulates β -fibrinogen and albumin mRNA levels in Fao-9 cells (221) 18
 Angeletti, P.U. see P. Conti (225) 103
 Angquist, K.-A. see L. Bläckberg (217) 37
 Aniento, F. see E. Roche (221) 231
 Anjaneyulu, P.S.R. see R.M. Mogre (221) 408
 Ankel-Fuchs, D., R. Böcher, R.K. Thauer, K.M. Noll and R.S. Wolfe, 7-Mercaptoheptanoylthreonine phosphate functions as component B in ATP-independent methane formation from methyl-CoM with reduced cobalamin as electron donor (213) 123
 Ankel-Fuchs, D. see A. Kobelt (214) 265
 Anni, H. see C. Balny (221) 349
 Antia, R. see P. Williamson (219) 316
 Antoch, M.P. see V. Yu. Arshavsky (224) 19
 Antonenkov, V.D., S.V. Pirozhkov and L.F. Panchenko, On the role of microsomal aldehyde dehydrogenase in metabolism of aldehydic products of lipid peroxidation (224) 357
 Antonetti, A. see J. Breton (209) 37
 Antoni, F. see L. Buday (223) 15
 Antoni, G. see M. Bigio (218) 271
 Aoki, S. see Y. Kuroda (224) 137
 Aoshima, M. see S. Ohno (222) 279
 Aoshima, T. see K. Satoh (216) 7
 Aota, S. see T. Gojobori (208) 231
 Aoyagi, H. see S. Ono (220) 332
 Aoyama, T. see H. Nakayama (208) 278
 Apone, S. see D.R. Eyre (220) 337
 Appanna, V.D. and C.M. Preston, Manganese elicits the synthesis of a novel exopolysaccharide in an arctic *Rhizobium* (215) 79
 Appel, R.G., G.R. Dubyak and M.J. Dunn, Effect of atrial natriuretic factor on cytosolic free calcium in rat glomerular mesangial cells (224) 396
 Appelhans, B., B. Ender, G. Sachse, T. Nikiforov, H. Appelhans and W. Ebert, Secretion of antileucoprotease from a human lung tumor cell line (224) 14
 Appelhans, H. see B. Appelhans (224) 14
 Aquila, H., T.A. Link and M. Klingenberg, Solute carriers involved in energy transfer of mitochondria form a homologous protein family (212) 1
 Aracava, Y., S.S. Deshpande, K.L. Swanson, H. Rapoport, S. Wonnacott, G. Lunt and E.X. Albuquerque, Nicotinic acetylcholine receptors in cultured neurons from the hippocampus and brain stem of the rat characterized by single channel recording (222) 63
 Arad, T. see J. Piefke (209) 104
 Arad, T. see M. Shoham (208) 321
 Aragón, J.J., M.-E. Gómez and C. Gancedo, Identification of two forms of 6-phosphofructo-2-kinase in yeast (226) 121
 Aragón, M.C., C. Giménez and F. Mayor, Stoichiometry of sodium- and chloride-coupled glycine transport in synaptic plasma membrane vesicles derived from rat brain (212) 87
 Arai, H. see S. Ohta (226) 171
 Araki, Y. see N. Murazumi (218) 131
 Aratani, Y., E. Sugimoto and Y. Kitagawa, Lithium ion reversibly inhibits inducer-stimulated adipose conversion of 3T3-L1 cells (218) 47
 Archidiacono, N. see D. Fürst (224) 49
 Ardaillou, N. see D. Chansel (220) 247
 Ardaillou, R. see D. Chansel (220) 247
 Arik, M., Y. Shichida and T. Yoshizawa, Low temperature spectrophotometry on the photoreaction cycle of sensory rhodopsin (225) 255

- Arkowitz, R., M. Hoehn-Berlage and K. Gersonde, The effect of cadmium ions on 2,3-bisphosphoglycerate in erythrocytes studied with ^{31}P NMR (217) 21
- Arlaud, G.J., A. Van Dorsselaer, A. Bell, M. Mancini, C. Aude and J. Gagnon, Identification of *erythro- β -hydroxyasparagine* in the EGF-like domain of human C1r (222) 129
- Armstrong, A. see A.J. Harmar (208) 67
- Arndt, E. see J. Kimura (224) 65
- Arora, S.K. see E.J. Kattelman (213) 179
- Arroyo, C.M., J.H. Kramer, B.F. Dickens and W.B. Weglicki, Identification of free radicals in myocardial ischemia/reperfusion by spin trapping with nitron DMPO (221) 101
- Arseniev, A.S., A.B. Kuryatov, V.I. Tsetlin, V.F. Bystrov, V.T. Ivanov and Yu.A. Ovchinnikov, ^{19}F NMR study of 5-fluorotryptophan-labeled bacteriorhodopsin (213) 283
- Arshavsky, V.Yu., M.P. Antoch and P.P. Philippov, On the role of transducin GTPase in the quenching of a phosphodiesterase cascade of vision (224) 19
- Arthur, W.L. see C.A. O'Brian (214) 339
- Arystarkhova, E.A. see Yu.A. Ovchinnikov (217) 269
- Arzamazova, N.M. see Yu.A. Ovchinnikov (217) 269
- Asahi, T. see M. Maeshima (220) 23
- Asano, M. see H. Tokuda (215) 335
- Asaoka, Y. see U. Kikkawa (217) 227
- Asaoka, Y. see U. Kikkawa (223) 212
- Ase, K. see U. Kikkawa (223) 212
- Ashby, M.K., S.A. Coomber and C.N. Hunter, Cloning, nucleotide sequence and transfer of genes for the B800-850 light harvesting complex of *Rhodobacter sphaeroides* (213) 245
- Ashcroft, F.M., M. Kakei, R.P. Kelly and R. Sutton, ATP-sensitive K^+ channels in human isolated pancreatic B-cells (215) 9
- Ashcroft, F.M. see M. Kakei (208) 63
- Ashcroft, S.J.H. and M. Stubbs, The glucose sensor in HIT cells is the glucose transporter (219) 311
- Ashcroft, S.J.H. see M. Kakei (208) 63
- Ashcroft, S.J.H. see P. Hammonds (213) 149
- Ashcroft, S.J.H. see P. Hammonds (223) 131
- Ashford, M.L.J. see N.C. Sturgess (208) 397
- Ashkenazi, A., R. Cohen and A. Gertler, Characterization of lactogen receptors in lactogenic hormone-dependent and independent NB2 lymphoma cell lines (210) 51
- Ashley, C.C. see A.P. Jackson (216) 35
- Ashley, C.C. see M.P. Timmerman (209) 1
- Aslanian, D., P. Gróf, M. Négrerie, M. Balkanski and P. Taylor, Raman spectroscopic study on the conformation of 11 S form acetylcholinesterase from *Torpedo californica* (219) 202
- Astashkin, A.V. see S.A. Dikanov (224) 75
- Astier, C. see J. Olive (208) 308
- Astruc, M.E. see F. Beseme (210) 97
- Atabekov, J.G. see S.Yu. Morozov (213) 438
- Atabekov, J.G. see V.V. Dolja (214) 308
- Atabekov, J.G. see V.V. Dolja (214) 313
- Atanasov, B.P. see M.I. Dimitrov (226) 17
- Atlas, D. see S. Diamant (219) 445
- Atreyi, M. see K. Gopalakrishna (215) 95
- Attardi, G. see F.G.P. Earley (219) 108
- Attfield, P.V., Trehalose accumulates in *Saccharomyces cerevisiae* during exposure to agents that induce heat shock response (225) 259
- Aude, C. see G.J. Arlaud (222) 129
- Auffret, A.D. see R.P. Ambler (215) 285
- Augusteyn, R.C. and J.F. Koretz, A possible structure for α -crystallin (222) 1
- Aunis, D. see M. Toutant (215) 339
- Aussel, C., D. Desmoulins, J. Agneray and O.G. Ekindjian, Effect of insulin on aminoisobutyric acid uptake by human non-rheumatoid and rheumatoid synovial cells (214) 327
- Austen, B. see A. Robinson (218) 63
- Authi, K.S., E.J. Hornby, B.J. Evenden and N. Crawford, Inositol 1,4,5-trisphosphate (IP_3) induced rapid formation of thromboxane B_2 in saponin-permeabilised human platelets: mechanism of IP_3 action (213) 95
- Avarmaa, R. see K. Mauring (223) 165
- Avichezer, D. and N. Gilboa-Garber, PA-II, the L-fucose and D-mannose binding lectin of *Pseudomonas aeruginosa* stimulates human peripheral lymphocytes and murine splenocytes (216) 62
- Avraham, B. see S. Diamant (219) 445
- Ayad, S., A.P.L. Kwan and M.E. Grant, Partial characterization of type X collagen from bovine growth-plate cartilage: Evidence that type X collagen is processed in vivo (220) 181
- Ayala, C. see D. Ukena (209) 122
- Ayyer, J. see P. Parrack (212) 297
- ## B
- Baader, E. see H.M. Hanauske-Abel (214) 236
- Baas, P.D., H. Liewerink, H.A.A.M. van Teeffelen, A.D.M. van Mansfeld, J.H. van Boom and H.S. Jansz, Alteration of the ATG start codon of the A* protein of bacteriophage ϕX174 into an ATT codon yields a viable phage indicating that A* protein is not essential for ϕX174 reproduction (218) 119
- Baba, S. see M. Nagao (214) 107
- Babin, F. see G. Bloch (219) 464
- Bachrach, U. see R.B. Frydman (219) 380
- Bachs, O. see M.J. Coll (208) 418
- Bader, J. see S. Nagata (210) 66
- Bagi, G. see G. Premecz (226) 13
- Bagnarelli, P. see M. Clementi (221) 11
- Bagshaw, C.R. see A.P. Jackson (216) 35
- Bailey, A.J. see K. Barnard (212) 49
- Baker, J.K. see A. Brosi (223) 77
- Baker, jr, J.R. see A.P. Weetman (211) 69
- Baklouti, F., Y. Giraud, A. Francina, G. Richard, C. Pèrier, A. Geyssant, J. Jaubert, C. Brizard and J. Delaunay, Hemoglobin Grange-Blanche [$\beta 27(\text{B9}) \text{Ala} \rightarrow \text{Val}$], a new variant with normal expression and increased affinity for oxygen (223) 59
- Bakr, S. see J. Bennett (210) 22
- Balaban, R.S. see L.A. Katz (221) 270
- Baldwin, J.E. and M.J.C. Crabbe, A spectrophotometric assay for deacetoxycephalosporin C synthase (214) 357
- Balgavý, P. see L. Horniak (224) 283
- Balkanski, M. see D. Aslanian (219) 202
- Ballabio, A. see G. Sebastio (208) 460
- Ballardie, F.W. see M.E. Hayes (220) 307
- Ball, E.H. see G.A. Cates (218) 195
- Ball, J.A. see Y.C. Lee (220) 243
- Balny, C., H. Anni and T. Yonetani, A stopped-flow study of the reaction of cytochrome c peroxidase with hydroperoxides (221) 349
- Baltscheffsky, M. see Å. Strid (224) 348
- Baltz, T. see F. Jähnig (221) 37
- Baluda, M. see C. Kryceve-Martinerie (214) 81
- Bamberg, E. see K. Fendler (224) 83

- Banerjee, A. and R.F. Luduena, Kinetics of association and dissociation of colchicine-tubulin complex from brain and renal tubulin: Evidence for the existence of multiple isotopes of tubulin in brain with differential affinity to colchicine (219) 103
- Banerjee, D. see G.R. Laverdure (222) 261
- Bánhegyi, G. see L. Buday (223) 15
- Banks, G.R. see A.M. MacNicol (221) 48
- Banner, D.W. see K. Petratos (218) 209
- Baralle, F.E. see B. Carnemolla (215) 269
- Baranov, V.I. see L.A. Ryabova (226) 255
- Barbarić, S. see V. Mrša (217) 174
- Barber, J., D.J. Chapman and A. Telfer, Characterisation of a PS II reaction centre isolated from the chloroplasts of *Pisum sativum* (220) 67
- Barber, J. see K. Gounaris (211) 94
- Barber, J. see P.J. Nixon (209) 83
- Barber, M.J., B.A. Notton and L.P. Solomonson, Oxidation-reduction midpoint potentials of the molybdenum center in spinach NADH:nitrate reductase (213) 372
- Bardat, F. see O. Dogbo (210) 211
- Bardin, C.W. see G.L. Hammond (215) 100
- Bardosi, A. see D. Fürst (224) 49
- Barg, B. see V. Witzemann (223) 104
- Barkas, T. see B. Roth (221) 172
- Barlas, A., X. Gao and L.M. Greenbaum, Isolation of a thiol-activated T-kininogenase from the rat submandibular gland (218) 266
- Barlow, D.J. and P.L. Poole, The hydration of protein secondary structures (213) 423
- Bärmann, M. see J. Vandekerckhove (225) 48
- Barnard, K., L.J. Gathercole and A.J. Bailey, Basement membrane collagen – evidence for a novel molecular packing (212) 49
- Barnett, L.K., C.K. Clugston and G.I. Jenkins, Two phytochrome-mediated effects of light on transcription of genes encoding the small subunit of ribulose-1,5-bisphosphate carboxylase-oxygenase in dark-grown pea (*Pisum sativum*) plants (224) 287
- Barone, S. see K.A. Jacobson (225) 97
- Barra, D. see M.E. Schininà (221) 87
- Barratt, G. see J.-P. Tenu (220) 93
- Barret Kalindjian, S. see A.J. Garman (223) 361
- Barrett, D.J. see T. van Veen (208) 133
- Barrett, M.L. see L.A.J. O'Neill (212) 35
- Barrio, J.R. see S.C. Huang (216) 128
- Barros-Söderling, J. see Z. Chen (226) 43
- Bartels, H., B. Vogt and K. Jungermann, Glycogen synthesis from pyruvate in the periportal and from glucose in the perivenous zone in perfused livers from fasted rats (221) 277
- Barton, G.J. see M.J.E. Sternberg (218) 231
- Bartosch, G. see A.V. Peskin (219) 212
- Bartrons, R. see C. Espinet (209) 254
- Bartrons, R. see C. Gallego (222) 167
- Barz, W. see K. Tiemann (213) 324
- Barz, W. see W. Hinderer (214) 101
- Basilico, C. see L. Lania (219) 400
- Basset, M. see A. Laurent (226) 324
- Batenburg, A.M., J.H. van Esch, J. Leunissen-Bijvelt, A.J. Verkleij and B. de Kruijff, Interaction of melittin with negatively charged phospholipids: consequences for lipid organization (223) 148
- Batke, J. see P. Tompa (214) 244
- Batliwala, H.F. see R.M. Mogre (221) 408
- Bauché, F., A.M. Bourdeaux-Jaubert, Y. Giudicelli and R. Nordmann, Ethanol alters the adenosine receptor-N_i-mediated adenylate cyclase inhibitory response in rat brain cortex in vitro (219) 296
- Bauer, J. see T. Andus (221) 18
- Bäuerlein, E. see Z. Gao (223) 366
- Baumann, M. see L. Keso (215) 105
- Baumeister, W. see J.P. Chalcraft (211) 53
- Bause, E. see R. Günther (221) 293
- Baverel, G. see C. Michoudet (216) 113
- Bax, A. see V. Sklenář (208) 94
- Bax, A. see V. Sklenář (216) 249
- Beabealashvili, R. see N. Dyatkina (219) 151
- Beatty, J.T. see M.E. Forrest (212) 28
- Beaumier, L., N. Faucher and P.H. Naccache, Arachidonic acid-induced release of calcium in permeabilized human neutrophils (221) 289
- Becker, A. see W. Kühlbrandt (226) 275
- Beddell, C.R. see D.K. Stammers (218) 178
- Beever, K. see J. Furmaniak (215) 316
- Beg, F. see A.P. Bradford (222) 211
- Beg, O.U., H. von Bahr-Lindström, Z.H. Zaidi and H. Jörnvall, Characterization of a heterogeneous camel milk whey non-casein protein (216) 270
- Beggs, M., H. Patel, J. Espinal and P.J. Randle, Temporal relationships in the effects of protein-free diet on the activities of rat liver branched-chain ketoacid dehydrogenase complex and kinase (215) 13
- Beisiegel, U. see J.R. Havinga (216) 275
- Belamri, M. see M. Savart (216) 22
- Belfrage, P. see H. Olsson (209) 175
- Belfrage, P. see J. Donner (208) 269
- Belin, D. see J.-D. Vassalli (214) 187
- Belkin, A.M. and V.E. Kotliansky, Interaction of iodinated vinculin, metavinculin and α -actinin with cytoskeletal proteins (220) 291
- Bell, A. see G.J. Arlaud (222) 129
- Bell, J.D., J.C.C. Brown, J.K. Nicholson and P.J. Sadler, Assignment of resonances for 'acute-phase' glycoproteins in high resolution proton NMR spectra of human blood plasma (215) 311
- Bell, J.D., P.J. Sadler, A.F. Macleod, P.R. Turner and A.L. Ville, ¹H NMR studies of human blood plasma: Assignment of resonances for lipoproteins (219) 239
- Bellatin, J. see P.W. Piper (214) 143
- Bellelli, A. see M. Brunori (221) 161
- Bellemann, P. see D. Neuser (209) 347
- Bellot, R. see J.-M. Sallenave (219) 37
- Bembenek, M.E. see A. Brossi (214) 291
- Benazzi, L. see P.L. Manachini (214) 305
- Benchetrit, T. see C. Gaboriaud (224) 149
- Bendicenti di Girolamo, A. see J.A. Lewis (217) 292
- Benditt, E.P. see L.H. Ericsson (218) 11
- Bendriss, P. see P. Dabadie (226) 77
- Benhaim, A., M. Herrou, H. Mitre and P. Leymarie, Effects of phorbol esters on steroidogenesis in small bovine luteal cells (223) 321
- Benito, M. see C. Roncero (208) 105
- Benjannet, S., R. Leduc, N. Adrouche, J.P. Falgout, M. Marcinkiewicz, N.G. Seidah, M. Mbikay, C. Lazure and M. Chretien, Chromogranin B (secretogranin I), a putative precursor of two novel pituitary peptides through processing at paired basic residues (224) 142
- Bennett, J., E.K. Shaw and S. Bakr, Phosphorylation of thylakoid proteins and synthetic peptide analogs: Differential sensitivity to inhibition by a plastoquinone antagonist (210) 22
- Bennett, J. see H.P. Michel (212) 103
- Benning, A.D. see R.J. Howland (208) 128
- Benosman, H. see J.P. Gayda (217) 57
- Bentley, R. see D.S. Feingold (223) 207
- Benveniste, J., D. Nunez, P. Duriez, R. Korth, J. Bidault and J.-C. Fruchart, Preformed PAF-acether and lyso PAF-acether are bound to blood lipoproteins (226) 371

- Benvenisty, N. see H. Cohen (223) 347
- Beppu, T. see K. Petratos (218) 209
- Berenguer, J., F. Rojo, M.A. de Pedro, B. Pfanzagl and W. Löffelhardt, Penicillin-binding proteins in the cyanelles of *Cyanophora paradoxa*, a eukaryotic photoautotroph sensitive to β -lactam antibiotics (224) 401
- Bereziat, G. see J. Masliah (222) 11
- Bergelson, L.D. see G.I. Muzya (220) 371
- Berger, M. see J. Champier (212) 220
- Bergman, T. see L. Blomqvist (211) 127
- Bergman, T. see L. Hederstedt (213) 385
- Berkner, K.L. see E. Boel (219) 181
- Berlier, Y.M., G.D. Fauque, J. LeGall, P.A. Lepinat and H.D. Peck, jr. The activation of the periplasmic (NiFe) hydrogenase of *Desulfovibrio gigas* by carbon monoxide (221) 241
- Berliner, L.J. see J.A.W.H. Vermeulen (219) 426
- Berman, J.M., J.T. Pelton, A.D. Cardin, D.T. Blankenship, C.F. Hassman and T.M.M. Chen, In vitro processing of rANF₇₋₂₈-NH₂ by rat kidney homogenates (220) 214
- Berndt, N., D.G. Campbell, F.B. Caudwell, P. Cohen, E.F. da Cruz e Silva, O.B. da Cruz e Silva and P.T.W. Cohen, Isolation and sequence analysis of a cDNA clone encoding a type-I protein phosphatase catalytic subunit: homology with protein phosphatase 2A (223) 340
- Bernini, F. see J.L. Lorenzo (218) 77
- Berry, M.N., R.B. Gregory, A.R. Grivell, D.C. Henly, J.W. Phillips, P.G. Wallace and G.R. Welch, Linear relationships between mitochondrial forces and cytoplasmic flows argue for the organized energy-coupled nature of cellular metabolism (224) 201
- Berta, P. see M. Dillenschneider (208) 413
- Berteloot, A. see C. Malo (220) 101
- Berthou, J., D. Migliore-Samour, A. Lifchitz, J. Delettré, F. Floc'h and P. Jollès, Immunostimulating properties and three-dimensional structure of two tripeptides from human and cow caseins (218) 55
- Bertina, R.M. see H.K. Ploos van Amstel (222) 186
- Bertrand, J.R. see C. Malvy (208) 155
- Bertrand, J. see J. Gardette (225) 178
- Bertrand, P. see J.P. Gayda (217) 57
- Bertrand-Burggraf, E., C. Ling, M. Schnarr, J.F. Lefèvre, J. Pouyet and M. Daune, Fast abortive initiation of uvrA promoter in a supercoiled plasmid studied by stopped-flow techniques (215) 83
- Beseme, F., M.E. Astruc, R. Defay and A. Crastes de Paulet, Rat liver cytosol oxysterol-binding protein: Characterization and comparison with the HTC cell protein (210) 97
- Besemer, J. see E. Pöschl (226) 96
- Bessoule, J.-J., R. Lessire, M. Rigoulet, B. Guerin and C. Cassagne, Fatty acid synthesis in mitochondria from *Saccharomyces cerevisiae* (214) 158
- Beyreuther, K. see T. Jansen (216) 234
- Bczstarosti, K. see A. Montfoort (226) 101
- Bhadbhade, M.M., M.J. Adams, T.G. Flynn and H.R. Levy, Sequence identity between a lysine-containing peptide from *Leuconostoc mesenteroides* glucose-6-phosphate dehydrogenase and an active site peptide from human erythrocyte glucose-6-phosphate dehydrogenase (211) 243
- Bhattacharyya, B. see S.N. Maity (218) 102
- Bhattacharyya, Nisan and P. Roy, Extrachromosomal DNA from a dicot plant *Vigna radiata* (208) 386
- Bialojan, C. see A. Takai (217) 81
- Bibb, P.C., D.E. Cochrane and N. Morel-Laurens, Loss of quin 2 accompanies degranulation of mast cells (209) 169
- Bichler, V. see R. Brandsch (224) 121
- Bidard, J.-N. see A. Lombet (219) 355
- Bidault, J. see J. Benveniste (226) 371
- Bielka, H. see H.-J. Kärger (220) 126
- Biellmann, J.-F. see K.M. Lee (223) 33
- Bienert, M. see H. Repke (221) 236
- Bienvenue, A. see M. Vidal (216) 159
- Biggs, D.R., R. Welle, F.R. Visser and H. Grisebach, Dimethylallylpyrophosphate: 3,9-dihydroxypterocarpan 10-dimethylallyl transferase from *Phaseolus vulgaris*: Identification of the reaction product and properties of the enzyme (220) 223
- Bigio, M., R. Rossi, D. Nucci, G. Antoni, R. Rappuoli and G. Ratti, Conformational changes in diphtheria toxoids: Analysis with monoclonal antibodies (218) 271
- Bilgin, S. see S.G. Laychock (218) 7
- Billat, C. see P. Mayeux (211) 229
- Binas, B. and R. Grosse, Demonstration of an epidermal growth factor-dependent 58 kDa phosphoprotein secreted by rat kidney fibroblasts (213) 164
- Binder, T. see W. Rosenthal (211) 137
- Binoux, M. see P. Hossenlopp (208) 439
- Binoux, M. see Y. Le Bouc (222) 181
- Bird, T.A., A.J.H. Gearing and J. Saklatvala, Murine interleukin-1 receptor: differences in binding properties between fibroblastic and thymoma cells and evidence for a two-chain receptor model (225) 21
- Birdsall, B., J. De Graw, J. Feeney, S. Hammond, M.S. Searle, G.C.K. Roberts, W.T. Colwell and J. Crase, ¹⁵N and ¹H NMR evidence for multiple conformations of the complex of dihydrofolate reductase with its substrate, folate (217) 106
- Birkett, C.R. see K. Gull (219) 31
- Birmingham, J. see I.V. Zlatanov (222) 47
- Birnbaumer, L. see J. Codina (216) 104
- Birnbaumer, L. see W.N. Suki (220) 187
- Bissery, V. see C. Gaboriaud (224) 149
- Bizzini, B. see X. Rabasseda (213) 337
- Bläckberg, L., K.-A. Ångquist and O. Hernell, Bile salt-stimulated lipase in human milk: evidence for its synthesis in the lactating mammary gland (217) 37
- Blackmore, R.S., T. Brittain, P.M.A. Gadsby, C. Greenwood and A.J. Thomson, Electron paramagnetic resonance and magnetic circular dichroism studies of a hexa-heme nitrite reductase from *Wolinella succinogenes* (219) 244
- Bladier, D. see N.E. Fink de Cabutti (223) 330
- Blake, C.C.F. see K. Harlos (224) 97
- Blalock, J.E. see D.J.J. Carr (224) 272
- Blanck, J. see G.V. Semisotnov (224) 9
- Blankenship, D.T. see J.M. Berman (220) 214
- Blanpain, J.-P. see L. de Meis (212) 323
- Blasi, F. see P.A. Andreassen (209) 213
- Blaustein, R.O., W.J. Germann, A. Finkelstein and B.R. DasGupta, The N-terminal half of the heavy chain of botulinum type A neurotoxin forms channels in planar phospholipid bilayers (226) 115
- Blaut, M., V. Müller and G. Gottschalk, Proton translocation coupled to methanogenesis from methanol + hydrogen in *Methanosarcina barkeri* (215) 53
- Blázquez, E. see J.G. de Diego (222) 256
- Blehm, D.J. see G.M. Olins (224) 325
- Bloch, G., J.M. Neumann, F. Babin and T. Huynh-Dinh, Sequence-dependence of the conformational changes induced by the 5-methyl cytosine in synthetic RNA oligomers (219) 464
- Block, M.A. see J. Covès (208) 401
- Bloemendal, H. see C.E.M. Voort (221) 249
- Blomqvist, L., T. Bergman, M. Thelestam and H. Jörnvall, Characterization of domain borders and of a naturally occurring major fragment of staphylococcal α -toxin (211) 127
- Bloom, S.R. see Y.C. Lee (220) 243
- Blough, H.A. see M.J. Massare (223) 122
- Bloxham, D.P. see Y.C. Hsu (218) 1
- Blundell, T.L. see H. Jhoti (219) 419

- Blundell, T.L. see L.J. Summers (208) 11
- Bober, E. see T. Braun (215) 233
- Bocckino, S.B., P.B. Wilson and J.H. Exton, Ca^{2+} -mobilizing hormones elicit phosphatidylethanol accumulation via phospholipase D activation (225) 201
- Böcher, R. see D. Ankel-Fuchs (213) 123
- Bocian, D.F., N.J. Boldt, B.W. Chadwick and H.A. Frank, Near-infrared-excitation resonance Raman spectra of bacterial photosynthetic reaction centers: Implications for path-specific electron transfer (214) 92
- Bock, E., K. Edvardsen, A. Gibson, D. Linnemann, J.M. Lyles and O. Nybroe, Characterization of soluble forms of NCAM (225) 33
- Bockaert, J. see M. Toutant (215) 339
- Bockaert, J. see M. Toutant (222) 51
- Bocquet, J. see G. Landemore (209) 299
- Bodner, U. see U. Johannngmeier (211) 221
- Boehm, S., A 5 S rRNA-like secondary structure in the 7 SL RNA may define a ribosomal binding site of the signal recognition particle (212) 15
- Boehm, S., Similarities between a predicted secondary structure for the M1 RNA ribozyme and the tRNA binding center of 16 S rRNA from *E. coli* (220) 283
- Boekema, E.J., J.P. Dekker, M.G. van Heel, M. Rögner, W. Saenger, I. Witt and H.T. Witt, Evidence for a trimeric organization of the photosystem I complex from the thermophilic cyanobacterium *Synechococcus* sp. (217) 283
- Boekema, E.J. see M. Rögner (219) 207
- Boel, E., K.L. Berkner, B.A. Nexø and T.W. Schwartz, Expression of human pancreatic polypeptide precursors from a dicistronic mRNA in mammalian cells (219) 181
- Boelens, R. see J.A.W.H. Vermeulen (219) 426
- Bogdanov, A.A. see J. Lasch (214) 13
- Bogdanov, A.A. see Yu.F. Drygin (215) 247
- Bogdanovskaya, V.A. see A.M. Kuznetsov (215) 219
- Boldt, N.J. see D.F. Bocian (214) 92
- Boldyrev, A.A. see I.A. Svinukhova (214) 335
- Bolla, J.-M., C. Lazdunski, M. Inouye and J.M. Pagès, Export and secretion of overproduced OmpA- β -lactamase in *Escherichia coli* (224) 213
- Boller, T. see T. Hottiger (220) 113
- Boman, H.G. see D.-A. Lidholm (226) 8
- Bomsel, M. see C. de Paillerets (219) 113
- Bon, S., J.-Y. Chang and A.D. Strosberg, Identical N-terminal peptide sequences of asymmetric forms and of low-salt-soluble and detergent-soluble amphiphilic dimers of *Torpedo* acetylcholinesterase: Comparison with bovine acetylcholinesterase (209) 206
- Bonassi, S. see A. De Ambrosio (225) 120
- Bondareva, T.O. see A.Yu. Andreyev (226) 265
- Bonicel, J. see P. Rouimi (216) 195
- Bonser, R.W., J. Dawson, N.T. Thompson, H.F. Hodson and L.G. Garland, Inhibition of phorbol ester stimulated superoxide production by 1-oleoyl-2-acetyl-sn-glycerol (OAG); fact or artefact? (209) 134
- Bonser, R.W. see J. Dawson (214) 171
- Borchart, U. see H. Schägger (219) 161
- Borg, J., J. Toazara, H. Hietter, M. Henry, G. Schmitt and B. Luu, Neurotrophic effect of naturally occurring long-chain fatty alcohols on cultured CNS neurons (213) 406
- Borghii, H. see D. Chansel (220) 247
- Borin, C. see Z. Ameliazad (220) 231
- Borovikov, Yu.S., M. Wrotek, N.B. Aksenova, N.N. Lebedeva and I. Kakol, Influence of Mg^{2+} and Ca^{2+} bound to 1,5-IAEDANS-labeled phosphorylated and dephosphorylated heavy meromyosin complexed with F-actin on polarized fluorescence of the fluorophore (223) 409
- Borrello, S., T. Galeotti, G. Palombini and G. Minotti, Restoration of hydroperoxide-dependent lipid peroxidation by 3-methylcholanthrene induction of cytochrome P-448 in hepatoma microsomes (209) 305
- Borsi, L. see B. Carnemolla (215) 269
- Borutaitė, V. see B. Kholodenko (223) 247
- Boscá, L. see P. Martín-Sanz (225) 37
- Bose, N.K. see L.L. Muldrow (213) 249
- Bossa, F. see M.E. Schininà (221) 87
- Bost, K.L. see D.J.J. Carr (224) 272
- Both, V. see S.V. Shlyapnikov (209) 335
- Boulain, J.-C. see O. Trémeau (208) 236
- Boulter, D. see J.N. Yarwood (222) 175
- Boulter, D. see R.N. Waterhouse (209) 223
- Bourdeaux-Jaubert, A.M. see F. Bauché (219) 296
- Bovermann, G. see A.M. Gronenborn (215) 88
- Box, R.-J. and M. Staehelin, Bromoacetylalprenololmenthane binding to β -receptors modulates the rate of hormone-induced internalization but not desensitization in S49 cells (214) 323
- Boyer, J.M. see M. Hirasawa (221) 343
- Boyer, P.D. see J.G. Wise (223) 395
- Boyer, P.D. see Z. Xue (223) 391
- Boys, C.W.G. see K. Harlos (224) 97
- Bozou, J.-C., A. Couvineau, C. Rouyer-Fessard, M. Laburthe, J.-P. Vincent and P. Kitabgi, Phorbol ester induces loss of VIP stimulation of adenylate cyclase and VIP-binding sites in HT29 cells (211) 151
- Bradford, A.P., A. Aitken, F. Beg, K.G. Cook and S.J. Yeaman, Amino acid sequence surrounding the lipophilic cofactor of bovine kidney 2-oxoglutarate dehydrogenase complex (222) 211
- Bradley, R.J., M.K. Pagala and M.T. Edge, Multiple effects of α -toxins on the nicotinic acetylcholine receptor (224) 277
- Bradshaw, C. see T.J. Michalski (226) 72
- Bragg, P.D. see E.G. Sedgwick (218) 22
- Brain, A.P.R. see R.S. Williams (225) 59
- Brammar, W.J., I.G. Charles, M. Matfield, L. Cheng-Pin, R.E. Drew and P.H. Clarke, The nucleotide sequence of the *amiE* gene of *Pseudomonas aeruginosa* (215) 291
- Brandan, E. and N.C. Inestrosa, Co-solubilization of asymmetric acetylcholinesterase and dermatan sulfate proteoglycan from the extracellular matrix of rat skeletal muscles (213) 159
- Brandsch, R. and V. Bichler, Covalent flavinylation of 6-hydroxy-D-nicotine oxidase involves an energy-requiring process (224) 121
- Brann, M.R., R.M. Collins and A. Spiegel, Localization of mRNAs encoding the α -subunits of signal-transducing G-proteins within rat brain and among peripheral tissues (222) 191
- Brann, M. see P.M. Murphy (221) 81
- Braun, H.P., M.E. Michel-Beyerle, J. Breton, S. Buchanan and H. Michel, Electric field effect on absorption spectra of reaction centers of *Rb. sphaeroides* and *Rps. viridis* (221) 221
- Braun, T., E. Bober, S. Singh, D.P. Agarwal and H.W. Goedde, Evidence for a signal peptide at the amino-terminal end of human mitochondrial aldehyde dehydrogenase (215) 233
- Bravo, R. see T. Lund (208) 369
- Breg, J. see J.A. van Kuik (221) 150
- Brennan, S.O., P.M. George and R.E. Jordan, Physiological variant of antithrombin-III lacks carbohydrate sidechain at Asn 135 (219) 431
- Brenner, S.L. see M. Coué (213) 316
- Bresser, J. see S. Dewhurst (213) 138
- Breton, J., J.-L. Martin, J. Petrich, A. Migus and A. Antonetti, The absence of a spectroscopically resolved intermediate state P^+B^- in bacterial photosynthesis (209) 37
- Breton, J. see H.P. Braun (221) 221

- Bretscher, A. see J. Krizek (225) 269
 Brettel, K. see S. Gerken (223) 376
 Brew, K. see H. Nagase (222) 83
 Brewer, jr, H.B. see S.S. Fojo (213) 221
 Bridger, W.A. see T. Lin (224) 322
 Brindley, D.N. see A.M. Salter (220) 159
 Bringmann, P. and R. Lührmann, Antibodies specific for N^6 -methyladenosine react with intact snRNPs U2 and U4/U6 (213) 309
 Brion, J.-P., M.E. Cheetham, P.A. Robinson, A.-M. Couck and B.H. Anderton, Isolation of cDNAs coding for epitopes shared by microtubule-associated proteins and neurofibrillary tangles in Alzheimer's disease (226) 28
 Brittain, T. see R.S. Blackmore (219) 244
 Brizard, C. see F. Baklouti (223) 59
 Broekaert, W.F., A.K. Allen and W.J. Peumans, Separation and partial characterization of isolectins with different subunit compositions from *Datura stramonium* seeds (220) 116
 Brömme, D., A. Steinert, S. Fittkau and H. Kirschke, Action of rat liver cathepsin B on bradykinin and on the oxidized insulin A-chain (219) 441
 Bron, C. and H.R. MacDonald, Identification of the plasma membrane receptor for interleukin-1 on mouse thymoma cells (219) 365
 Brooks, B.R. see V. Sklenář (216) 249
 Brooks, S.F., F.J. Evans and A. Aitken, The stimulation of phosphorylation of intracellular proteins in GH₃ rat pituitary tumour cells by phorbol esters of distinct biological activity (224) 109
 Brossi, A., P. Millet, I. Landau, M.E. Bembenek and C.W. Abell, Antimalarial activity and inhibition of monoamine oxidases A and B by exo-erythrocytic antimalarials: Optical isomers of primaquine, *N*-acylated congeners, primaquine metabolites and 5-phenoxy-substituted analogues (214) 291
 Brossi, A. see Q.S. Yu (221) 325
 Brossi, A., W. Gessner, C.D. Hufford, J.K. Baker, F. Homo, P. Millet and I. Landau, Photooxidation products of primaquine: Structure, antimalarial activity and hemolytic effects (223) 77
 Broude, N.E. see E.D. Sverdlov (217) 275
 Broude, N.E. see E.D. Sverdlov (221) 129
 Broude, N.E. see N.M. Matveeva (217) 42
 Broude, N.E. see Yu.A. Ovchinnikov (213) 73
 Brown, A.M. see J. Codina (216) 104
 Brown, D.A. see H. Higashida (208) 283
 Brown, D.A. see H. Higashida (220) 302
 Brown, E., P. Enyedi, M. LeBoff, J. Rotberg, J. Preston and C. Chen, High extracellular Ca^{2+} and Mg^{2+} stimulate accumulation of inositol phosphates in bovine parathyroid cells (218) 113
 Brown, E. see M. Oetting (208) 99
 Brown, J.C.C. see J.D. Bell (215) 311
 Brown, R.A. see P.A. MacLennan (215) 187
 Browne, M.J. see I. Dodd (209) 13
 Bruccoleri, R.E. see J. Novotný (211) 185
 Brun, J.-L. see M. Rousset (208) 34
 Brunati, A.M. see F. Meggio (215) 241
 Brünger, A.T. see G.M. Clore (213) 269
 Bruni, P., V. Vasta and M. Farnararo, Adenylate cyclase stimulating agents and mitogens raise fructose 2,6-bisphosphate levels in human fibroblasts: Evidence for a dual control of the metabolite (222) 27
 Brunisholz, R.A. see T.D. Wechsler (210) 189
 Brunori, M., A. Bellelli, B. Giardina, S. Condo and M.F. Perutz, Is there a Root effect in *Xenopus* hemoglobin? (221) 161
 Brunori, M. see G. Falcioni (221) 355
 Brunowsky, W. see E. Pöschl (226) 96
 Bruns, C. and D. Marmé, Pertussis toxin inhibits the angiotensin II and serotonin-induced rise of free cytoplasmic calcium in cultured smooth muscle cells from rat aorta (212) 40
 Bruns, C., C. Schächtele and D. Marmé, Synthetic diacylglycerols induce a rise of quin2-detectable free intracellular calcium in human platelets (221) 23
 Brzezinski, P. see M. Fabian (213) 396
 Buchanan, S. see H.P. Braun (221) 221
 Buchta, R., M. Pontet and M. Fridkin, Binding of C-reactive protein to human neutrophils (211) 165
 Buckland, P.R. see J. Furmaniak (215) 316
 Buckle, M., Regulation of ATP hydrolase activity of the F_0 - F_1 complex of rat-liver mitochondria during early hepatic regeneration (209) 197
 Buday, L., J. Seprödi, G. Farkas, G. Mészáros, T. Romhányi, G. Bánhegyi, J. Mandl, F. Antoni and A. Faragó, Proteolytic activation of protein kinase C in the extracts of cells treated for a short time with phorbol ester (223) 15
 Buki, K. see A. Hakam (212) 73
 Bülow, L. and K. Mosbach, The expression in *E. coli* of a polymeric gene coding for an esterase mimic catalyzing the hydrolysis of *p*-nitrophenyl esters (210) 147
 Bülow, R. see F. Jähnig (221) 37
 Bump, N.J. and V.A. Najjar, Tuftsin stimulates growth of HL60 cells (226) 303
 Bundle, D.R., J.W. Cherwonogrodzky and M.B. Perry, The structure of the lipopolysaccharide O-chain (M antigen) and polysaccharide B produced by *Brucella melitensis* 16M (216) 261
 Burbach, J.P.H. see H.P.J.M. Noteborn (216) 200
 Burchell, B. see R.B. Corser (213) 448
 Burgess, A.J. see R.I. Norman (212) 127
 Burgess, A.W. see R.J. Simpson (224) 128
 Burgoyne, L.A. see S.J. Davis (226) 88
 Burgoyne, R.D. see I.A. Pearce (223) 143
 Burgoyne, R.D. see P.H. Cobbold (211) 44
 Burman, K.D. see A.P. Weetman (211) 69
 Burns, G., A.K. Abraham and A. Vedeler, Nucleotide binding to elongation factor 2 inactivated by diphtheria toxin (208) 217
 Burton, G.W. see K.H. Cheeseman (209) 191
 Busby, S. see S. Ponnambalam (212) 21
 Busby, S. see S. Ponnambalam (219) 189
 Bushfield, M., S.L. Hopple, I.F. Gibson, F.A. Murdoch and D.E. MacIntyre, Effects of protein kinase C activation on human platelet cyclic AMP metabolism (222) 299
 Bushueva, T.L. and A.G. Tonevitsky, The effect of pH on the conformation and stability of the structure of plant toxin – ricin (215) 155
 Buyssens, S. see H. Höfte (226) 364
 Byfield, P.G.H. see J. Worthington (211) 123
 Bygrave, F.L. see C. Preston (210) 27
 Bygrave, F.L. see P. Dieter (213) 174
 Bystrova, M.F. see E.E. Fesenko (219) 224
 Bystrov, V.F. see A.S. Arseniev (213) 283
- C**
- Cacan, R. see R. Cecchelli (208) 407
 Camara, B. see O. Dogbo (210) 211
 Cambray-Deakin, M.A. see I.A. Pearce (223) 143

- Campbell, D.G. see N. Berndt (223) 340
- Campbell, D.G. see O.B. da Cruz e Silva (221) 415
- Campbell, S.F. see J. Singh (224) 161
- Camus, J. see M. Waelbroeck (226) 287
- Cancelli, A. see P. Conti (225) 103
- Candau, P. see F.J. Florencio (223) 37
- Cannon, B. see A. Jacobsson (224) 353
- Cantatore, P., Z. Flagella, F. Fracasso, A.M.S. Lezza, M.N. Gadaleta and A. de Montalvo, Synthesis and turnover rates of four rat liver mitochondrial RNA species (213) 144
- Canter, G.W., The azurin gene from *Pseudomonas aeruginosa* codes for a pre-protein with a signal peptide: Cloning and sequencing of the azurin gene (212) 168
- Cantin, M. see J. Gutkowska (214) 17
- Cantournet, B., C. Creuzet, O. Komano and J. Loeb, Clathrin β -light chain of rat liver coated vesicles is phosphorylated in vitro and in vivo (220) 143
- Capaldi, R.A. see E.P. Gogol (219) 274
- Capaldi, R.A. see S. Takamiya (218) 277
- Capiod, T., A.C. Field, D.C. Ogden and C.A. Sandford, Internal perfusion of guinea-pig hepatocytes with buffered Ca^{2+} or inositol 1,4,5-trisphosphate mimics noradrenaline activation of K^{+} and Cl^{-} conductances (217) 247
- Carchman, R.A. see C.F. Strnad (225) 16
- Cardin, A.D. see J.M. Berman (220) 214
- Cardinaud, R., Proteolysis rates of a myosin heavy chain site with papain: Evidence for a combined LC2-filament-mediated mechanism (220) 376
- Caretta, A. and P.J. Stein, Light- and nucleotide-dependent increase in apparent viscosity in a suspension of retinal disks (219) 97
- Carles, C., P. Gueguen and B. Ribadeau-Dumas, C-terminal labelling of β -casein (212) 163
- Carling, D., V.A. Zammit and D.G. Hardie, A common bicyclic protein kinase cascade inactivates the regulatory enzymes of fatty acid and cholesterol biosynthesis (223) 217
- Carlioni, G. see M. Clementi (221) 11
- Carlstedt, I. see H. Karlsson (226) 23
- Carmenta, M.J., J.I. Sancho, M.A. Fernández-Gonzalez, F. Escudero and J.C. Prieto, Somatostatin inhibits VIP- and isoproterenol-stimulated cyclic AMP accumulation in rat prostatic epithelial cells (218) 73
- Carne, A. see S.M. Cutfield (214) 57
- Carnemolla, B., L. Borsi, L. Zardi, R.J. Owens and F.E. Baralle, Localization of the cellular-fibronectin-specific epitope recognized by the monoclonal antibody IST-9 using fusion proteins expressed in *E. coli* (215) 269
- Caro, L.H.P. see X.M. Lerverve (219) 455
- Caron, M. see N.E. Fink de Cabutti (223) 330
- Carper, D., C. Nishimura, T. Shinohara, B. Dietzchold, G. Wistow, C. Craft, P. Kador and J.H. Kinoshita, Aldose reductase and ρ -crystallin belong to the same protein superfamily as aldehyde reductase (220) 209
- Carr, D.J.J., B. DeCosta, A.E. Jacobson, K.L. Bost, K.C. Rice and J.E. Blalock, Immunoaffinity-purified opiate receptor specifically binds the δ -class opiate receptor ligand, *cis*-(+)-3-methylfentanylisothiocyanate, SUPERFIT (224) 272
- Carrasco, L. see E. Feduchi (214) 153
- Carreras, J. see C. Espinet (209) 254
- Carreras, J. see C. Gallego (222) 167
- Carroll, M.C. see B. Uring-Lambert (217) 65
- Carvalho, J.F. see E. Rondinelli (208) 379
- Carvalho, P. and J.E. Allende, Interaction of protein synthesis initiation factor 2 from *Xenopus laevis* oocytes with GDP and GTP analogs (215) 109
- Casas-Finet, J.R., M.I. Khamis, A.H. Maki and J.W. Chase, Tryptophan 54 and phenylalanine 60 are involved synergistically in the binding of *E. coli* SSB protein to single-stranded polynucleotides (220) 347
- Casas-Finet, J.R. see M.I. Khamis (211) 155
- Cascales, M. see P. Martin-Sanz (225) 37
- Cash, D.J. and K. Subbarao, Two desensitization processes of GABA receptor from rat brain: Rapid measurements of chloride ion flux using quench-flow techniques (217) 129
- Casley, D.J. see A.E. Fletcher (208) 263
- Casnellie, J.E. see R.E. Thom (222) 104
- Cass, A.E.G., D.W. Ribbons, J.T. Rossiter and S.R. Williams, Biotransformation of aromatic compounds: Monitoring fluorinated analogues by NMR (220) 353
- Cassagne, C. see J.-J. Bessoule (214) 158
- Castagna, M. see F. Heymans (218) 35
- Castellani, A.A. see M. Galliano (208) 364
- Castignetti, D. and J. Smarrelli, jr, Siderophores, the iron nutrition of plants, and nitrate reductase (209) 147
- Castle, N.A. and P.N. Strong, Identification of two toxins from scorpion (*Leiurus quinquestriatus*) venom which block distinct classes of calcium-activated potassium channel (209) 117
- Cates, G.A., D.W. Litchfield, S. Narindrasorasak, D. Nandan, E.H. Ball and B.D. Sanwal, Phosphorylation of a gelatin-binding protein from L6 myoblasts by protein kinase C (218) 195
- Caudwell, F.B. see N. Berndt (223) 340
- Cavaggioni, A., R.T. Sorbi, J.N. Keen, D.J.C. Pappin and J.B.C. Findlay, Homology between the pyrazine-binding protein from nasal mucosa and major urinary proteins (212) 225
- Cavieses, J.D., The molecular size required varies according to the reaction step round the sodium pump cycle (225) 145
- Cawston, T.E. and E. Mercer, Preferential binding of collagenase to α_2 -macroglobulin in the presence of the tissue inhibitor of metalloproteinases (209) 9
- Cecchelli, R., R. Cacan and A. Verbert, Mechanism of UDP-sugar transport into intracellular vesicles: Occurrence of UDP-GlcNAc/UDP and UDP-Gal/UDP antiports (208) 407
- Cederbaum, A.I. see G. Krikun (208) 292
- Cedergren, R., B.F. Lang and D. Gravel, A mechanism for the RNA-catalyzed formation of 5'-phosphates: The origin of nucleases (226) 63
- Cederholm-Williams, S.A. see R.J.P. Williams (209) 111
- Celis, A. see J.E. Celis (220) 1
- Celis, A. see J.E. Celis (223) 237
- Celis, J.E. and P. Madsen, Increased nuclear cyclin/PCNA antigen staining of non S-phase transformed human amnion cells engaged in nucleotide excision DNA repair (209) 277
- Celis, J.E., G.P. Ratz and A. Celis, Progressin: a novel proliferation-sensitive and cell cycle-regulated human protein whose rate of synthesis increases at or near the G_1/S transition border of the cell cycle (223) 237
- Celis, J.E., P. Madsen, A. Celis, H.V. Nielsen and B. Gesser, Cyclin (PCNA, auxiliary protein of DNA polymerase δ) is a central component of the pathway(s) leading to DNA replication and cell division (220) 1
- Cerf, R. see D. Rogez (219) 22
- Chackalaparampil, I. see G.R. Laverdure (222) 261
- Chader, G.J. see T. van Veen (208) 133
- Chadwick, B.W. see D.F. Bocian (214) 92
- Chalcroft, J.P., H. Engelhardt and W. Baumeister, Structure of the porin from a bacterial stalk (211) 53
- Chambaz, E. see J. Fauvel (221) 397
- Chambaz, J. see J. Masliah (222) 11

- Champier, J., B. Claustrat, G. Sassolas and M. Berger, Detection and enzymatic deglycosylation of a glycosylated variant of prolactin in human plasma (212) 220
- Champness, J.N. see D.K. Stammers (218) 178
- Chan, C.-T.J. see J. Worthington (211) 123
- Chan, L. see C. Yang (224) 261
- Chance, B., Early reduction of cytochrome *c* in hypoxia (226) 343
- Chance, B. see M. Engelhard (222) 275
- Chance, M. see M. Engelhard (222) 275
- Chandrasekhar, B., Mrigank and V. Kotekar, On the possible mechanism of recognition of DNA base sequence by steroid hormones (225) 151
- Chang, C. see M. Clementi (221) 11
- Chang, J.-Y. see S. Bon (209) 206
- Chang, J.-Y. see V. Steiner (222) 6
- Chang, P.L. see M. Ameen (219) 130
- Chang, W.-P. see S.-H. Chiou (221) 134
- Chang, W. see N.J. Philp (225) 127
- Chansel, D., J.-P. Morin, H. Borghi, N. Ardaillou and R. Ardaillou, Angiotensin I-converting enzyme in isolated human glomeruli (220) 247
- Chao, C.C.-K. and S. Lin-Chao, Loss of inducible photorepair in a frog cell line hypersensitive to solar UV light (225) 133
- Chap, H. see J. Fauvel (216) 45
- Chap, H. see J. Fauvel (221) 397
- Chapman, B.E. see P.W. Kuchel (219) 5
- Chapman, D.J. see J. Barber (220) 67
- Chapman, K. see A.J. Harman (208) 67
- Charles, I.G. see W.J. Brammar (215) 291
- Charnay, Y. see J.-M. Zajac (216) 118
- Chase, J.W. see J.R. Casas-Finet (220) 347
- Chase, J.W. see M.I. Khamis (211) 155
- Chauvet, J., M.-T. Chauvet and R. Acher, Conformation limited proteolysis in the common neurophysin-copeptin precursor shown by trypsin-Sepharose chromatographic proteolysis (217) 180
- Chauvet, J. see M.T. Chauvet (210) 40
- Chauvet, M.-T. see J. Chauvet (217) 180
- Chauvet, M.T., Y. Rouillé, J. Chauvet and R. Acher, Guinea pig neurohypophysial hormones: Peculiar processing of the three-domain vasopressin precursor (210) 40
- Chazin, W.J., M. Rance and P.E. Wright, Complete assignment of lysine resonances in ¹H NMR spectra of proteins as probes of surface structure and dynamics (222) 109
- Che, Y.W. see F. Guerrieri (213) 67
- Cheek, T.R. see P.H. Cobbald (211) 44
- Cheeseman, K.H., M. Collins, S. Maddix, A. Milia, K. Proudfoot, T.F. Slater, G.W. Burton, A. Webb and K.U. Ingold, Lipid peroxidation in regenerating rat liver (209) 191
- Cheetham, M.E. see J.-P. Brion (226) 28
- Chekalin, S.V., Y.A. Matveet, A.Y. Shkuropatov, V.A. Shuvalov and A.P. Yartzev, Femtosecond spectroscopy of primary charge separation in modified reaction centers of *Rhodospira sphaeroides* (R-26) (216) 245
- Chen, A. and S.S. Wong, Differentiation of creatine kinase MB and IgA-linked BB isoenzymes on electrophoresis (214) 192
- Chen, C. see E. Brown (218) 113
- Chen, H.Y. see R.C. Gorewit (225) 238
- Chen, K.-X., N. Gresh, B. Pullman, Groove selectivity in the interaction of 9-aminoacridine-4-carboxamide antitumor agents with DNA (224) 361
- Chen, S.-W. see S.-H. Chiou (209) 107
- Chen, S.-W. see S.-H. Chiou (221) 134
- Chen, T.M.M. see J.M. Berman (220) 214
- Chen, Z.G. see Y.X. Zhu (208) 253
- Chen, Z., V. Mutt, J. Barros-Söderling and H. Jörnvall, Isolation and structural characterization of porcine coupling factor 6 from intestinal tissues (226) 43
- Cheng, C.Y. see G.L. Hammond (215) 100
- Cheng-Pin, L. see W.J. Brammar (215) 291
- Chernousov, M.A., A.I. Faerman, M.G. Frid, O.Yu. Printseva and V.E. Koteliansky, Monoclonal antibody to fibronectin which inhibits extracellular matrix assembly (217) 124
- Chernov, B.K. see S.Yu. Morozov (213) 438
- Chernov, I.P. see E.D. Sverdlov (212) 233
- Chernyak, B.V., V.F. Dukhovich and E.Yu. Khodjaev, The effect of the natural protein inhibitor on H⁺-ATPase in hepatoma 22^a mitochondria (215) 300
- Cherwonogrodzky, J.W. see D.R. Bundle (216) 261
- Chetverikov, A.G. see S.A. Dikanov (224) 75
- Chhatwal, G.S. see K. Aktories (212) 109
- Chhatwal, G.S. see S. Rösener (224) 38
- Chiang, P.K. see A. Ahmad (214) 285
- Chiarugi, V. see G. Laffi (220) 217
- Chiba, T. see A. Hata-Tanaka (214) 279
- Chidgevadze, Z. see N. Dyatkina (219) 151
- Childs, R.A. see C. Southan (214) 301
- Chindemi, P.A. see E. Regoeczi (222) 271
- Chino, N. see Y. Hirata (219) 369
- Chiou, S.-H., S.-W. Chen and T.-B. Lo, The amino-terminal sequences of four major carp γ -crystallin polypeptides and their homology with frog and calf γ -crystallins (209) 107
- Chiou, S.-H., W.-P. Chang, C.-H. Lo and S.-W. Chen, Sequence comparison of γ -crystallins from the reptilian and other vertebrate species (221) 134
- Chiva, M., H.F. Kasinsky and J.A. Subirana, Characterization of protamines from four avian species (215) 237
- Cho-Chung, Y.S. see D. Katsaros (223) 97
- Cho-Chung, Y.S. see T. Clair (224) 377
- Chomutov, R.M. see J. Šimůth (218) 163
- Chonn, A. see T.M. Allen (223) 42
- Chrétien, M. see N.G. Seidah (211) 144
- Chretien, M. see S. Benjannet (224) 142
- Christ, B. and K. Jungermann, Sub-compartmentation of the 'cytosolic' glucose 6-phosphate pool in cultured rat hepatocytes (221) 375
- Christie, D.L., K.M. Dziegielewska, R.M. Hill and N.R. Saunders, Fetuin: the bovine homologue of human α_2 HS glycoprotein (214) 45
- Christophe, J. see J.-P. Dehaye (219) 451
- Christophe, J. see M. Waelbroeck (226) 287
- Chronos, Z.C. see Q.A. Vu (220) 79
- Chumanov, G.D. see N.G. Abdulaev (213) 113
- Chung, F.-Z., K.-U. Lentz, J. Gocayne, M. Fitzgerald, D. Robinson, A.R. Kerlavage, C.M. Fraser and J.C. Venter, Cloning and sequence analysis of the human brain β -adrenergic receptor: Evolutionary relationship to rodent and avian β -receptors and porcine muscarinic receptors (211) 200
- Cid, A. see P. Eraso (224) 193
- Cid, A. see R. Serrano (208) 143
- Cincolà, G. see G. Falcioni (221) 355
- Clair, T., S. Ally, P. Tagliaferri, R.K. Robins and Y.S. Cho-Chung, Site-selective cAMP analogs induce nuclear translocation of the Rⁿ cAMP receptor protein in Ha-MuSV-transformed NIH/3T3 cells (224) 377
- Clair, T. see D. Katsaros (223) 97
- Clark, E.A. see M. Patarroyo (210) 127
- Clark, jr, W.H. see J. Thurin (208) 17
- Clark, M.G. see E.A. Richter (217) 232
- Clarke, C. see A. Stock (220) 8
- Clarke, P.H. see R.P. Ambler (215) 285
- Clarke, P.H. see W.J. Brammar (215) 291
- Clarke, S. see A. Stock (220) 8
- Claustrat, B. see J. Champier (212) 220
- Clayton, C.L. see B.W. Wren (225) 82
- Cleland, P.J.F. see E.A. Richter (217) 232

- Clemance, M. see J.-P. Tenu (220) 93
- Clementi, M., I. Testa, A. Festa, P. Bagnarelli, C. Chang and G. Carloni, Differential response of the human hepatoma-derived cell line HA22T/VGH to polypeptide mitogens (221) 11
- Clore, G.M., M. Nilges, A.T. Brünger, M. Karplus and A.M. Gronenborn, A comparison of the restrained molecular dynamics and distance geometry methods for determining three-dimensional structures of proteins on the basis of interproton distances (213) 269
- Clore, G.M. see A.M. Gronenborn (215) 88
- Clore, G.M. see H.R. MacDonald (209) 295
- Clore, G.M. see M. Nilges (219) 11
- Clore, G.M. see P. Wingfield (215) 160
- Clouse, J.A. see D.P. Ringer (224) 59
- Clugston, C.K. see L.K. Barnett (224) 287
- Coates, A.R.M. see M.J.E. Sternberg (218) 231
- Cobbold, P.H., T.R. Cheek, K.S.R. Cuthbertson and R.D. Burgoyne, Calcium transients in single adrenal chromaffin cells detected with aequorin (211) 44
- Cochrane, D.E. see P.C. Bibb (209) 169
- Codina, J., D. Grenet, A. Yatani, L. Birnbaumer and A.M. Brown, Hormonal regulation of pituitary GH₃ cell K⁺ channels by G_k is mediated by its α -subunit (216) 104
- Codina, J. see W.N. Suki (220) 187
- Cohen, H., N. Benvenisty and L. Reshef, Fate of polyoma origin of replication after its direct introduction into mice (223) 347
- Cohen, J. see H.L. Sham (220) 299
- Cohen, M.E. see G.W.G. Sharp (221) 309
- Cohen, P. see N. Berndt (223) 340
- Cohen, P.T.W. see E.F. da Cruz e Silva (220) 36
- Cohen, P.T.W. see N. Berndt (223) 340
- Cohen, P.T.W. see O.B. da Cruz e Silva (221) 415
- Cohen, P.T.W. see O.B. da Cruz e Silva (226) 176
- Cohen, R. see A. Ashkenazi (210) 51
- Coll, M.J., J. Serratos, O. Bachs, C.G. Gahmberg and C. Enrich, Calmodulin may decrease cell surface sialic acid and be involved in the expression of fibronectin during liver regeneration (208) 418
- Collazos, J.M. and A. Sanchez, cAMP reduces the affinity of Ca²⁺-triggered secretion in platelets (215) 183
- Collins, J.H. see J.P. Rieker (212) 154
- Collins, J.H. see J.P. Rieker (223) 262
- Collins, M. see K.H. Cheeseman (209) 191
- Collins, R.M. see M.R. Brann (222) 191
- Colom, J. see J.A. Subirana (220) 193
- Colonna, R. see E. Papini (215) 73
- Colson, A.M. see J.-P. di Rago (208) 208
- Colton, C.A. and D.L. Gilbert, Production of superoxide anions by a CNS macrophage, the microglia (223) 284
- Coluccio, L.M. see J. Krizek (225) 269
- Colwell, W.T. see B. Birdsall (217) 106
- Comera, C. see A.J. Aarsman (219) 176
- Comera, C. see B. Rothhut (219) 169
- Cominelli, F. see G. Laffi (220) 217
- Condo, S. see M. Brunori (221) 161
- Conlon, J.M., E. Dafgård, S. Falkmer and L. Thim, The primary structure of ratfish insulin reveals an unusual mode of proinsulin processing (208) 445
- Conlon, J.M., L. O'Toole and L. Thim, Primary structure of glucagon from the gut of the common dogfish (*Scyliorhinus canicula*) (214) 50
- Conquet, F. see J.-P. Laverigne (216) 83
- Consalvi, V. see R. Scandurra (212) 79
- Conti, P., M. Reale, A. Cancelli and P.U. Angeletti, Lipoxin A augments release of thromboxane from human polymorphonuclear leukocyte suspensions (225) 103
- Cook, K.G. see A.P. Bradford (222) 211
- Cookson, J. see M.J.E. Sternberg (218) 231
- Coomber, S.A. see M.K. Ashby (213) 245
- Cooney, D. see A.K. Keenan (217) 287
- Cooper, C.E. and P. Nicholls, Activity of proteoliposomes containing cytochrome oxidase in the submitochondrial orientation (223) 155
- Cooper, C.S. see P.R. Tempest (209) 357
- Cooper, D.R., C.M. de Ruiz Galaretta, L.F. Fanjul, L. Mojsilovic, M.L. Standaert, R.J. Pollet and R.V. Farese, Insulin but not phorbol ester treatment increases phosphorylation of vinculin by protein kinase C in BC3H-1 myocytes (214) 122
- Corkey, B.E. see M. Prentki (220) 103
- Cornish, A. see R.P. Mason (216) 4
- Coronado, R. see H.H. Valdivia (226) 280
- Corps, A.N. see G. Yonuschot (213) 401
- Corser, R.B., M.W.H. Coughtrie, M.R. Jackson and B. Burchell, The molecular basis of the inherited deficiency of androsterone UDP-glucuronyltransferase in Wistar rats (213) 448
- Corsini, A. see J.L. Lorenzo (218) 77
- Cortes, R. see S. Pin (208) 325
- Costa, T. see F.-J. Klinz (224) 43
- Costa, T. see Y. Shimohigashi (222) 71
- Cotton, N.P.J., J.F. Myatt and J.B. Jackson, The dependence of the rate of transhydrogenase on the value of the protonmotive force in chromatophores from photosynthetic bacteria (219) 88
- Couck, A.-M. see J.-P. Brion (226) 28
- Couderc, J. see O. Trémeau (208) 236
- Coué, M., S.L. Brenner, I. Spector and E.D. Korn, Inhibition of actin polymerization by latrunculin A (213) 316
- Coughtrie, M.W.H. see R.B. Corser (213) 448
- Coulaud, D. see J.-F. Riou (213) 304
- Courtney, M. see L.H. Tessier (208) 183
- Couvinau, A. see J.-C. Bozou (211) 151
- Covès, J., M.A. Block, J. Joyard and R. Douce, Solubilization and partial purification of UDP-galactose:diacylglycerol galactosyltransferase activity from spinach chloroplast envelope (208) 401
- Covington, M. see J.J. Huang (223) 294
- Cox, B.S. see M.F. Tuite (225) 205
- Cox, R.A. see A.M. MacNicol (221) 48
- Cox, R.A. see M.J. Monteiro (217) 260
- Crabbe, M.J.C. see J.E. Baldwin (214) 357
- Craft, C. see D. Carper (220) 209
- Cragoe, jr, E.J. see L. Hunyady (225) 72
- Craig, S. see P. Wingfield (211) 179
- Crane, J. see B. Birdsall (217) 106
- Crasnier, M., A method to exchange alkali light chains on myosin subfragment 1 (211) 31
- Craustes de Paulet, A. see F. Beseme (210) 97
- Crawford, N. see K.S. Authi (213) 95
- Crema, A.L. see C. Delfini (210) 17
- Crepin, K.M. see M.I. Darville (224) 317
- Cressent, M. see S. Minvielle (223) 63
- Creuzet, C. see B. Cantournet (220) 143
- Criado, M. and B.U. Keller, A membrane fusion strategy for single-channel recordings of membranes usually non-accessible to patch-clamp pipette electrodes (224) 172
- Crichton, R.R. see Y. Jin (215) 41
- Crielaard, W., M.G.L. Elferink, K.J. Hellingwerf, W.N. Konings, J.F. Myatt and J.B. Jackson, Concurrent measurements of the inhibition of ATP synthesis and alanine transport in intact cells of *Rhodobacter capsulatus* (225) 6
- Critchley, C. see C. Preston (210) 27
- Crochet, J. see C. Kryceve-Martinerie (214) 81
- Crofts, A.R. see G. Venturoli (219) 477
- Cross, K.E. see R.A. Cross (219) 306

- Cross, R.A., K.E. Cross and J.V. Small, Salt dependent dimerisation of caldesmon (219) 306
 Croy, R.R.D. see J.N. Yarwood (222) 175
 Cryer, G.D. see C.E. Dempsey (218) 173
 Crystal, R.G. see L.-H. Tessier (208) 183
 Cullum, J. see M. Young (212) 10
 Curi, R. see B. Leighton (225) 93
 Curran, B. see P.W. Piper (220) 177
 Curtis, A. see A.J. Harmar (208) 67
 Cusinato, F. see E. Papini (215) 73
 Cutfield, J.F. see S.M. Cutfield (214) 57
 Cutfield, S.M., A. Carne and J.F. Cutfield, The amino-acid sequences of sculpin islet somatostatin-28 and peptide YY (214) 57
 Cuthbertson, K.S.R. see P.H. Cobbold (211) 44
 Czichos, J. see B. Ehlers (225) 53
 Czyski, J.A. and W. Gawlikowski, Activity of human, bovine and porcine platelet-derived growth factor in a radioreceptor assay with human placental membrane protein (219) 331

D

- Dabadie, P., P. Bendriss, P. Erny and J.-P. Mazat, Uncoupling effects of local anesthetics on rat liver mitochondria (226) 77
 Dabrowski, J. see E. Romanowska (211) 175
 Da Cruz e Silva, E.F. and P.T.W. Cohen, Isolation and sequence analysis of a cDNA clone encoding the entire catalytic subunit of phosphorylase kinase (220) 36
 Da Cruz e Silva, E.F. see N. Berndt (223) 340
 Da Cruz e Silva, O.B. and P.T.W. Cohen, A second catalytic subunit of type-2A protein phosphatase from rabbit skeletal muscle (226) 176
 Da Cruz e Silva, O.B., S. Alemany, D.G. Campbell and P.T.W. Cohen, Isolation and sequence analysis of a cDNA clone encoding the entire catalytic subunit of a type-2A protein phosphatase (221) 415
 Da Cruz e Silva, O.B. see N. Berndt (223) 340
 Dacremont, G. see C. Van den Branden (222) 21
 Dafgård, E. see J.M. Conlon (208) 445
 Daiyasu, H. see S. Koyama (209) 265
 Dairymple, B., The phage Mu repressor c and IS30 transposase proteins are significantly related (208) 7
 Dalvit, C., L. Tennant and P.E. Wright, ^1H resonances of proximal histidine in CO complexes of hemoglobins provide a sensitive probe of coordination geometry (213) 289
 Daly, D.T. see D. Ukena (215) 203
 Daly, J.W. see D. Ukena (209) 122
 Daly, J.W. see D. Ukena (215) 203
 Daly, J.W. see K.A. Jacobson (225) 97
 Damante, G., S. Filetti and B. Rapoport, The functional activity of the rat c-Ha-ras promoter requires the coordinate involvement of multiple elements (225) 264
 Damen, H.C.M. see D.H. Joziassse (221) 139
 Danchin, A. see G. Lenzen (219) 254
 Dancshazy, Z., R. Govindjee, B. Nelson and T.G. Ebrey, A new intermediate in the photocycle of bacteriorhodopsin (209) 44
 Dandona, P. see B. Pearce (211) 73
 Danielius, R.V., K. Satoh, P.J.M. van Kan, J.J. Plijter, A.M. Nuijs and H.J. van Gorkom, The primary reaction of photosystem II in the D1–D2–cytochrome *b*-559 complex (213) 241
 Dann, J.G. see D.K. Stammers (218) 178
 Danø, K. see P.A. Andreassen (209) 213
 Danpure, C.J. see P.J. Wise (222) 17
 Danson, M.J. see L.D. Smith (225) 277
 Dargent, B., J. Rosenbusch and F. Pattus, Selectivity for maltose and maltodextrins of maltoporin, a pore-forming protein of *E. coli* outer membrane (220) 136
 Darszon, A. see A. Guerrero (220) 295
 Darszon, A. see M. González-Martínez (218) 247
 Darville, M.I., K.M. Crepin, J. Vandekerckhove, J. Van Damme, J.N. Octave, M.H. Rider, M.J. Marchand, L. Hue and G.G. Rousseau, Complete nucleotide sequence coding for rat liver 6-phosphofructo-2-kinase/fructose-2,6-bisphosphatase derived from a cDNA clone (224) 317
 Das, M.R. see A.N. Hegde (217) 74
 DasGupta, B.R. see R.O. Blaustein (226) 115
 Dasgupta, D. see P. Parrack (212) 297
 Daumas, P. see Y. Trudelle (216) 11
 Daune, M. see E. Bertrand-Burggraf (215) 83
 Davidson, J.S. see C.E. Smith (225) 247
 Davies, G.J. see J.A. Littlechild (225) 123
 Davies, W. see P.W. Piper (220) 177
 Davis, D.J. see M. Hirasawa (221) 343
 Davis, E.J. see P.W.D. Scislawski (224) 177
 Davis, G. see P. Nicotera (209) 139
 Davis, J.S., L.A. West, L.L. Weakland and R.V. Farese, Human chorionic gonadotropin activates the inositol 1,4,5-trisphosphate- Ca^{2+} intracellular signalling system in bovine luteal cells (208) 287
 Davis, S.J. and L.A. Burgoyne, The DNase I generated disomal series is coherent to 16N: Implications for coiling models of chromatin structure (226) 88
 Dawson, J., N.T. Thompson, R.W. Bonser, H.F. Hodson and L.G. Garland, Decrease of cellular ATP by dihexanoylglycerol may limit responses to protein kinase C activation (214) 171
 Dawson, J. see R.W. Bonser (209) 134
 Dawson, J. see R.W. Randall (214) 167
 Day, I.N.M. and R.J. Thompson, Molecular cloning of cDNA coding for human PGP 9.5 protein: A novel cytoplasmic marker for neurones and neuroendocrine cells (210) 157
 Day, I.N.M., M.T.E.P. Allsopp, D.C.M. Moore and R.J. Thompson, Sequence conservation in the 3'-untranslated regions of neurone-specific enolase, lymphokine and protooncogene mRNAs (222) 139
 De Almeida Soares, C.M. see E. Rondinelli (208) 379
 De Ambrosis, A., N. Ferrari, S. Bonassi and G. Vidali, Nucleosomal repeat length in active and inactive genes (225) 120
 De Blasi, A. see M. Fratelli (212) 149
 De Block, J. and W. De Potter, The cell free interaction between chromaffin granules and plasma membranes: An in vitro model for exocytosis? (222) 358
 De Boer, E. see R. Wever (216) 1
 De Bruijn, S.M. see J.J.S. van Rensen (226) 347
 De Caro, A. see P. Rouimi (216) 195
 De Chaffoy de Courcelles, D., P. Roevens, H. Van Belle and F. De Clerck, The synergistic effect of serotonin and epinephrine on the human platelet at the level of signal transduction (219) 283
 De Clerck, F. see D. de Chaffoy de Courcelles (219) 283
 De Diego, J.G., E. Alvarez and E. Blázquez, Characterization of glucagon receptors in Golgi fractions of fetal rat liver (222) 256
 De Foresta, B., M. Rogard and J. Gallay, Adenylate cyclase of bovine adrenal cortex plasma membranes: Divergence between corticotropin and fluoride combined effects with forskolin (216) 107
 De Graw, J. see B. Birdsall (217) 106
 De Haas, G.H. see S.-Y. Mao (211) 83

- De Jong, W.W. see C.E.M. Voortter (221) 249
- De Jong-Brink, M. see D.H. Joziassie (221) 139
- De Kok, A. and A.J.W.G. Visser, Flavin binding site differences between lipoamide dehydrogenase and glutathione reductase as revealed by static and time-resolved flavin fluorescence (218) 135
- De Kroon, T. see J. Tommassen (221) 226
- De Kruijff, B. see A.M. Batenburg (223) 148
- De Kruijff, B. see K. Nicolay (209) 33
- De Meis, L., Effects of organic solvents and orthophosphate on the ATPase activity of F₁ ATPase (213) 333
- De Meis, L., J.-P. Blanpain and A. Goffeau, P_i = ATP exchange in the absence of proton gradient by the H⁺-ATPase from yeast plasma membranes (212) 323
- De Meis, L. see V.L. Goncalves de Moraes (222) 163
- De Montalvo, A. see P. Cantatore (213) 144
- De Moura-Neto, R.S. see E. Rondinelli (208) 379
- De Narco, A. see J.A.W.H. Vermeulen (219) 426
- De Nobel, H. see W. Homan (215) 323
- De Pagter-Holthuisen, P., M. Jansen, F.M.A. van Schaik, R. van der Kammen, C. Oosterwijk, J.L. Van den Brande and J.S. Sussenbach, The human insulin-like growth factor II gene contains two development-specific promoters (214) 259
- De Pagter-Holthuisen, P. see J.W.M. Höppener (215) 122
- De Paillerets, C., M. Bomsel, H. Weintraub, D. Pépin and A. Alfsen, Clustering in coated vesicles of polyunsaturated phospholipids segregated from plasma and Golgi membranes of adrenocortical cells (219) 113
- De Pedro, M.A. see J. Berenguer (224) 401
- De Potter, W. see J. De Block (222) 358
- De Ruiz Galaretta, C.M. see D.R. Cooper (214) 122
- De Vellis, J. see S. Kumar (208) 151
- De Wachter, R. see H. Van den Eynde (213) 301
- De Wachter, R. see H. Van den Eynde (217) 191
- De Wit, R.J.W. see R.J. Aerts (220) 366
- De Young, M.B. and A. Scarpa, Extracellular ATP induces Ca²⁺ transients in cardiac myocytes which are potentiated by norepinephrine (223) 53
- Dean, R.T., A mechanism for accelerated degradation of intracellular proteins after limited damage by free radicals (220) 278
- Dean, R.T. see G.S. Vince (216) 253
- Deber, C.M. see G.A. Woolley (224) 337
- DeCosta, B., C. George, R.B. Rothman, A.E. Jacobson and K.C. Rice, Synthesis and absolute configuration of optically pure enantiomers of a κ -opioid receptor selective agonist (223) 335
- DeCosta, B. see D.J.J. Carr (224) 272
- Decottignies, P. see J.-P. Jacquot (209) 87
- Dedukhova, V.I. see A.Yu. Andreyev (226) 265
- Dees, C. see A.K. Keenan (217) 287
- Defay, R. see F. Beseme (210) 97
- Dehaye, J.-P., J. Winand and J. Christophe, Scorpion venom inhibits carbamylcholine-induced ⁸⁶Rb⁺ efflux from rat parotid acini (219) 451
- Dekker, J.P. see E.J. Bockema (217) 283
- Dekker, J.P. see I. Witt (221) 260
- Dekker, J.P. see M. Rögner (219) 207
- Del Rey, F. see A.R. Nebreda (220) 27
- Delaage, M. see A.M. Garrigues (224) 267
- Delain, E. see F. Pochon (217) 101
- Delain, E. see J. Dexpert (225) 223
- Delamoured, L. see A. Ghazi (209) 325
- Delaunay, J. see F. Baklouti (223) 59
- Delauney, A. see J.N. Yarwood (222) 175
- Delcros, J.G., A.M. Roch, V. Thomas, S. El Alaoui, J.P. Moulinoux and G. Quash, Protein-bound polyamines in the plasma of mice grafted with the Lewis lung carcinoma (220) 236
- Delchaye, M.C. see S. Minvielle (223) 63
- Delettré, J. see J. Berthou (218) 55
- Delfini, C., A.L. Crema, E. Alfani, E. Lo Presti, T. Eremenko and P. Volpe, DNA methylases separated through the HeLa cell cycle methodology show allosteric properties (210) 17
- Deli, E. see Z. Kiss (213) 365
- Deli, E., Z. Kiss, E. Wilson, J.D. Lambeth and J.F. Kuo, Immunocytochemical localization of protein kinase C in resting and activated human neutrophils (221) 365
- Delihas, N., Unusual 5 S ribosomal RNAs: An analysis of individual segments can reveal phylogenetic relatedness (221) 189
- Demeneix, B. and N.J. Grant, α -Melanocyte stimulating hormone promotes neurite outgrowth in chromaffin cells (226) 337
- Dementiev, A.A. see S.V. Shlyapnikov (209) 335
- Demeter, S., P.J. Neale and A. Melis, Photoinhibition: Impairment of the primary charge separation between P-680 and pheophytin in photosystem II of chloroplasts (214) 370
- Dempsey, C.E., G.D. Cryer and A. Watts, The interaction of amino-deuteromethylated melittin with phospholipid membranes studied by deuterium NMR (218) 173
- Dencher, N.A. see S. Grzesiek (208) 337
- Denis, H. see A. Viel (223) 232
- DerVartanian, D.V. see E. Samain (216) 140
- DerVartanian, D.V. see M.-C. Liu (218) 227
- Deshpande, S.S. see Y. Aracava (222) 63
- Deshusses, J. see J.-P. Patthey (210) 137
- Desmond, H., S. Pauwels, A. Varro, H. Gregory, J. Young and G.J. Dockray, Isolation and characterization of the intact gastrin precursor from a gastrinoma (210) 185
- Desmoulins, D. see C. Aussel (214) 327
- Deutzmann, R. see K. Mann (218) 167
- Devaux, F. see A. Zachowski (223) 315
- Dewhurst, S., J. Bresser, M. Stevenson, K. Sakai, M.J. Evinger-Hodges and D.J. Volsky, Susceptibility of human glial cells to infection with human immunodeficiency virus (HIV) (213) 138
- Dewhurst, S., M. Stevenson and D.J. Volsky, Expression of the T4 molecule (AIDS virus receptor) by human brain-derived cells (213) 133
- Dexpert, J., E. Delain, B. Piriou and F. Pochon, The covalent and non-covalent binding modes of elastase with α_2 -macroglobulin influence the conformation of the protease (225) 223
- Di Cola, D. and P. Sacchetta, Irreversible inactivation of calcium-dependent proteinases from rat liver by biological disulfides (210) 81
- Di Rago, J.P., X. Perea and A.-M. Colson, DNA sequence analysis of diuron-resistant mutations in the mitochondrial cytochrome *b* gene of *Saccharomyces cerevisiae* (208) 208
- Diamant, S., B. Avraham and D. Atlas, Neomycin inhibits K⁺- and veratridine-stimulated noradrenaline release in rat brain slices and rat brain synaptosomes (219) 445
- Dickens, B.F. see C.M. Arroyo (221) 101
- Dickey, B.F., H.Y. Pyun, K.C. Williamson and J. Navarro, Identification and purification of a novel G protein from neutrophils (219) 289
- Didierjean, L. see C.P. Schelling (214) 21
- Didsbury, J.R. and R. Snyderman, Molecular cloning of a new human G protein: Evidence for two G_{i2}-like protein families (219) 259
- Didsbury, J.R., Y.-S. Ho and R. Snyderman, Human G_i protein α -subunit: deduction of amino acid structure from a cloned cDNA (211) 160
- Dieter, P., J.G. Altin and F.L. Bygrave, Possible involvement of prostaglandins in vasoconstriction induced by zymosan and arachidonic acid in the perfused rat liver (213) 174
- Dietrich, W. see G.W. Mayr (213) 278

- Dietzchold, B. see D. Carper (220) 209
- Dikanov, S.A., A.V. Astashkin, Yu.D. Tsvetkov, M.G. Goldfeld and A.G. Chetverikov, Detection of deuterium nuclei in the immediate surroundings of P700 centers of plant photosynthesis by electron spin echo modulation (224) 75
- Dillenschneider, M., A. Hetherington, A. Graziana, G. Alibert, P. Berta, J. Haiech and R. Ranjeva, The formation of inositol phosphate derivatives by isolated membranes from *Acer pseudoplatanus* is stimulated by guanine nucleotides (208) 413
- Diller, R., M. Stockburger, D. Oesterhelt and J. Tittor, Resonance Raman study of intermediates of the halorhodopsin photocycle (217) 297
- Dimitriadis, E. see M. Dunlop (220) 84
- Dimitrov, M.I., C.A. Egorov, A.A. Donchev and B.P. Atanasov, Complete amino acid sequence of poplar plastocyanin *b* (226) 17
- Dimitrov, S.I. see V.L. Makarov (212) 263
- Dimroth, P. see A. Hoffmann (220) 121
- Djé, M.K. see A. Viel (223) 232
- Dobson, C.M. and L.-Y. Lian, A ^{31}P MAS NMR study of cytidine 2'-phosphate bound to ribonuclease A in the crystalline state (225) 183
- Dockray, G.J. see H. Desmond (210) 185
- Dodd, I., S. Jalalpour, W. Southwick, P. Newsome, M.J. Browne and J.H. Robinson, Large scale, rapid purification of recombinant tissue-type plasminogen activator (209) 13
- Dogbo, O., F. Bardat, J. Quennemet and B. Camara, Metabolism of plastid terpenoids: in vitro inhibition of phytoene synthesis by phenethyl pyrophosphate derivatives (210) 211
- Doi, M., M. Tanaka, T. Ishida and M. Inoue, The three-dimensional similarity between a dimeric antiparallel extended structure and a β -turn folded form of enkephalin (213) 265
- Doi, M. see M.D. Song (221) 167
- Dolja, V.V. and J.G. Atabekov, The structure of barley stripe mosaic virus double-stranded RNAs (214) 313
- Dolja, V.V., D.P. Grama, S.Yu. Morozov and J.G. Atabekov, Potato virus X-related single- and double-stranded RNAs: Characterization and identification of terminal structures (214) 308
- Dollet, M. see J.-F. Riou (213) 304
- Donchev, A.A. see M.I. Dimitrov (226) 17
- Donner, J., H. Eriksson and P. Belfrage, The acute GH action in rat adipocytes is associated with enhanced phosphorylation of a 46 kDa plasma membrane protein enriched by GH-Sepharose (208) 269
- Donowitz, M. see G.W.G. Sharp (221) 309
- Dooley, D.M., M.A. McGuirl, J. Peisach and J. McCracken, The generation of an organic free radical in substrate-reduced pig kidney diamine oxidase-cyanide (214) 274
- Dorée, M. see A. Laurent (226) 324
- Dorman, C.J. see J.S. Evans (208) 211
- Doronin, S.V., O.I. Lavrik, G.A. Nevinsky and V.N. Podust, The efficiency of dNTP complex formation with human placenta DNA polymerase α as demonstrated by affinity modification (216) 221
- Douce, R. see J. Covès (208) 401
- Douglas, K. see J.-P. Tenu (220) 93
- Douglas, R. see P.A. Andreasen (209) 213
- Douste-Blazy, L. see J. Fauvel (216) 45
- Douste-Blazy, L. see J. Fauvel (221) 397
- Downer, R.G.H. see A.P. Jahagirdar (219) 83
- Doyen, N. see M. Ekker (222) 337
- Drachev, L.A., A.D. Kaulen, V.P. Skulachev and V.V. Zorina, Protonation of a novel intermediate P is involved in the MbR step of the bacteriorhodopsin photocycle (209) 316
- Drachev, L.A., A.D. Kaulen, V.P. Skulachev and V.V. Zorina, The mechanism of H^+ transfer by bacteriorhodopsin: The properties and the function of intermediate P (226) 139
- Drachev, L.A., M.D. Mamedov and A.Yu. Semenov, The antimycin-sensitive electrogenesis in *Rhodospseudomonas sphaeroides* chromatophores (213) 128
- Dratz, E.A. see K.R. Parker (211) 35
- Dreher, M.L. see R.R. Mattingly (223) 11
- Dreusicke, D. and G.E. Schulz, The glycine-rich loop of adenylate kinase forms a giant anion hole (208) 301
- Drew, R.E. see W.J. Brammar (215) 291
- Dreyer, D. see Y. Le Bouc (222) 181
- Driessen, A.J.M. see M. Opekarová (213) 45
- Drygin, Yu.F., M.V. Sapotsky and A.A. Bogdanov, Radish mosaic virus VPg: Characteristics and linkage with virion RNAs (215) 247
- DuBow, M.S. see D.B. Levin (222) 199
- Dubacq, J.P. see A. Oursel (219) 393
- Dubin, M., L. Grinblat, S.H. Fernandez Villamil and A.O.M. Stoppani, Nitrofurantoin inhibition of microsomal lipid peroxidation (220) 197
- Dubyak, G.R. see R.G. Appel (224) 396
- Ducastaing, A. see M. Savart (216) 22
- Duchatelle, P. and M. Joffre, Ca^{2+} -dependent-chloride and potassium currents in rat Leydig cells (217) 11
- Duclohier, H. see G. Molle (224) 208
- Duine, J.A. see R.A. van der Meer (221) 299
- Dukhovich, V.F. see B.V. Chernyak (215) 300
- Dulobova, I.E. see E.D. Sverdlov (217) 275
- Dulubova, I.E. see Yu.A. Ovchinnikov (213) 73
- Dumont, J.E. see I. Graff (210) 204
- Dunahay, T.G., G. Schuster and L.A. Staehelin, Phosphorylation of spinach chlorophyll-protein complexes: CP11*, but not CP29, CP27, or CP24, is phosphorylated in vitro (215) 25
- Duncan, T.M., D. Parsonage and A.E. Senior, Structure of the nucleotide-binding domain in the β -subunit of *Escherichia coli* $\text{F}_1\text{-ATPase}$ (208) 1
- Dunlop, M., E. Dimitriadis and R.G. Larkins, Acute changes in *myo*-inositol uptake and $^{22}\text{Na}^+$ flux in murine neuroblastoma cells (N1E-115) following insulin (220) 84
- Dunn, M.J. see R.G. Appel (224) 396
- Dunne, M.J. and O.H. Petersen, Intracellular ADP activates K^+ channels that are inhibited by ATP in an insulin-secreting cell line (208) 59
- Duque-Magalhães, M.C. and J.M. Gualberto, Regulation of mitochondrial proteolysis: Selective degradation of inner membrane polypeptides (210) 142
- Duriez, P. see J. Benveniste (226) 371
- Dy, M. see P.P. Kamoun (226) 285
- Dyatkina, N., S. Minassian, M. Kukhanova, A. Krayevsky, M. von Janta-Lipinsky, Z. Chidgevadze and R. Beabealashvili, Properties of 2',3'-dideoxy-2',3'-dehydrothymidine 5'-triphosphate in terminating DNA synthesis catalyzed by several different DNA polymerases (219) 151
- Dyer, T.A. see P.J. Nixon (209) 83
- Dyer, T.A. see S.M. Hird (209) 181
- Dzhandzhugazyan, K.N. see Yu.A. Ovchinnikov (217) 111
- Dziegielewska, K.M. see D.L. Christie (214) 45
- Dzolic, M.R. see G.R. Elliott (217) 6

E

- Earley, F.G.P., S.D. Patel, C.I. Ragan and G. Attardi, Photolabelling of a mitochondrially encoded subunit of NADH dehydrogenase with [^3H]dihydrorotenone (219) 108
- Ebels, I. see H.P.J.M. Noteborn (216) 200
- Eberhardt, I. see L. Kiesel (217) 85
- Eberl, G. and K. Schnell, Ca^{2+} uptake and IP_3 -induced Ca^{2+} release in permeabilized human lymphocytes (222) 349
- Eberle, A.N. see T. Scimonelli (226) 134
- Ebert, B. see G.V. Semisotnov (224) 9
- Ebert, W. see B. Appelhans (224) 14
- Ebinuma, H. see F. Takaiwa (221) 43
- Ebrey, T.G. see Z. Dancshazy (209) 44
- Eckerskorn, C. and M. Klingenberg, In the uncoupling protein from brown adipose tissue the C-terminus protrudes to the c-side of the membrane as shown by tryptic cleavage (226) 166
- Eckhardt-Wallasch, H. see H.G. Kress (221) 28
- Eckstein, F. see J.M. Fernandez (216) 89
- Edge, M.T. see R.J. Bradley (224) 277
- Edwards, K. see E. Bock (225) 33
- Edwards, C.R.W. see A.J. Harmar (208) 67
- Edwards, C. see K. Enomoto (223) 82
- Edzes, H.T. see D.H. Joziase (221) 139
- Efimov, A.V., Pseudo-homology of protein standard structures formed by two consecutive β -strands (224) 372
- Efremov, R.G. see N.G. Abdulaev (213) 113
- Egea, G. see X. Guitart (219) 219
- Egea, G. see X. Rabasseda (213) 337
- Egestad, B. see H.-U. Marschall (213) 411
- Egorov, C.A. see M.I. Dimitrov (226) 17
- Ehlers, B., J. Czichos and P. Overath, Repression and reactivation of the variant surface glycoprotein gene in *Trypanosoma brucei* (225) 53
- Ehnholm, C. see L. Keso (215) 105
- Eichner, W. see J. Hoppe (223) 243
- Eide, B. see P.M. Murphy (221) 81
- Ekindjian, O.G. see C. Aussel (214) 327
- Ekker, M., N. Doyen, M. Leblond-Francillard and F. Rougeon, A mouse renin promoter containing the conserved decanucleotide element binds the same B-cell factors as an authentic immunoglobulin heavy chain promoter (222) 337
- El Alaoui, S. see J.G. Delcros (220) 236
- El-Sabban, M. see G.W.G. Sharp (221) 309
- Elder, D.E. see J. Thurin (208) 17
- Elferink, M.G.L. see W. Crielaard (225) 6
- Eliopoulos, E. see D.K. Stammers (218) 178
- Ellermann, J., A. Kobelt, A. Pfaltz and R.K. Thauer, On the role of *N*-7-mercaptoheptanoyl-*O*-phospho-L-threonine (component B) in the enzymatic reduction of methyl-coenzyme M to methane (220) 358
- Elliott, G.R., M.J. van Batenburg and M.R. Dzolic, Enhanced prostaglandin E_2 and thromboxane B_2 release from resident peritoneal macrophages isolated from morphine-dependent rats (217) 6
- Ellis, C.A., A. Aitken, K. Takayama and N. Qureshi, Substitution of phosphatidylserine by lipid A in the activation of purified rabbit brain protein kinase C (218) 238
- Ellis, R.J. see R.S. Williams (225) 59
- Elola, M.T. see N.E. Fink de Cabutti (223) 330
- Emori, Y. see K. Ishidoh (226) 33
- Emori, Y. see K. Suzuki (220) 271
- Emori, Y. see S. Imajoh (215) 274
- Enami, I., K. Satoh and S. Katoh, Crosslinking between the 33 kDa extrinsic protein and the 47 kDa chlorophyll-carrying protein of the PS II reaction center core complex (226) 161
- Ender, B. see B. Appelhans (224) 14
- Engelbrecht, S. and W. Junge, Fragmentation of chloroplast coupling factor in dependence of bound nucleotides: Preparation of a reconstitutionally active form of subunit δ (219) 321
- Engelhard, M., B. Hess, M. Chance and B. Chance, X-ray absorption studies on bacteriorhodopsin (222) 275
- Engelhardt, H. see J.P. Chalcraft (211) 53
- Engels, F., H. Willems and F.P. Nijkamp, Cyclooxygenase-catalyzed formation of 9-hydroxylinoleic acid by guinea pig alveolar macrophages under non-stimulated conditions (209) 249
- England, P.J. see J.P. Huggins (217) 32
- Engström, L. see F.A. Nettelblad (214) 249
- Enomoto, K., K. Furuya, T. Maeno, C. Edwards and T. Oka, Mechanically induced electrical responses in murine mammary epithelial cells in primary culture (223) 82
- Enrich, C. see M.J. Coll (208) 418
- Enyedi, P. see E. Brown (218) 113
- Epand, R.M. and S.-W. Hui, Effect of electrostatic repulsion on the morphology and thermotropic transitions of anionic phospholipids (209) 257
- Epe, B., P. Woolley and H. Hornig, Competition between tetracycline and tRNA at both P and A sites of the ribosome of *Escherichia coli* (213) 443
- Eraso, P., A. Cid and R. Serrano, Tight control of the amount of yeast plasma membrane ATPase during changes in growth conditions and gene dosage (224) 193
- Eraso, P. and C. Gancedo, Activation of yeast plasma membrane ATPase by acid pH during growth (224) 187
- Erdmann, V.A. see R.K. Hartmann (218) 215
- Erecinska, M. and D. Nelson, Amino acid neurotransmitters in the CNS: Relationships between net uptake and exchange in rat brain synaptosomes (213) 61
- Eremenko, T. see C. Delfini (210) 17
- Ericsson, L.H., N. Eriksen, K.A. Walsh and E.P. Benditt, Primary structure of duck amyloid protein A: The form deposited in tissues may be identical to its serum precursor (218) 11
- Ericsson, L.H. see D.R. Eyre (220) 337
- Eriksen, N. see L.H. Ericsson (218) 11
- Eriksson, H. see J. Donner (208) 269
- Erneux, C. see I. Graff (210) 204
- Ernst, M. and E.R. Froesch, Triiodothyronine stimulates proliferation of osteoblast-like cells in serum-free culture (220) 163
- Ernst-Fonberg, M.L., M. McGee Tucker and I.B. Fonberg, The amphiphilicity of ACP helices: a means of macromolecular interaction? (215) 261
- Erny, P. see P. Dabadie (226) 77
- Errasfa, M. see B. Rothhut (219) 169
- Errington, J., Two separable functional domains in the σ -subunit of RNA polymerase in *Bacillus subtilis*? (224) 257
- Esch, F. see P. Whiting (219) 459
- Escher, C. see J.-C. Wagner (218) 31
- Escoffier, A. see A. Oursel (219) 393
- Escudero, F. see M.J. Carmena (218) 73
- Escurat, M. see A. Lomri (222) 311
- Esnouf, M.P. see K. Harlos (224) 97
- Esnouf, P. see R.J.P. Williams (209) 111
- Espinal, J. see M. Beggs (215) 13
- Espinat, C., R. Bartrons and J. Carreras, Fructose 2,6-bisphosphate and glucose 1,6-bisphosphate in erythrocytes during chicken development (209) 254
- Estes, J.E. see L.A. Selden (217) 89
- Estrela, J.M. see C. Roncero (208) 105

- Estruch, F. see J.E. Pérez-Ortín (208) 31
 Etchebest, C. see Y. Trudelle (216) 11
 Etheredge, J.L. see D.P. Ringer (224) 59
 Etienne, J. see J. Masliah (222) 11
 Etzold, T., C.C. Fritz, J. Schell and P.H. Schreier, A point mutation in the chloroplast 16S rRNA gene of a streptomycin resistant *Nicotiana tabacum* (219) 343
 Evans, A.T., E. Formukong and F.J. Evans, Activation of phospholipase A₂ by cannabinoids: Lack of correlation with CNS effects (211) 119
 Evans, F.J. see A.T. Evans (211) 119
 Evans, F.J. see S.F. Brooks (224) 109
 Evans, J.S., B.A. Levine, I.P. Trayer, C.J. Dorman and C.F. Higgins, Sequence imposed structural constraints in the TonB protein of *E. coli* (208) 211
 Evans, M.C.W. see R.W. Mansfield (220) 74
 Evenden, B.J. see K.S. Authi (213) 95
 Evinger-Hodges, M.J. see S. Dewhurst (213) 138
 Exton, J.H. see S.B. Bocckino (225) 201
 Eyre, D.R., S. Apone, J.-J. Wu, L.H. Ericsson and K.A. Walsh, Collagen type IX: evidence for covalent linkages to type II collagen in cartilage (220) 337

F

- Fabian, M., P.-E. Thörnström, P. Brzezinski and B.G. Malmström, Two-electron reduction is required for rapid internal electron transfer in resting, pulsed and oxygenated cytochrome *c* oxidase (213) 396
 Fabri, L.J. see R.J. Simpson (224) 128
 Faerman, A.I. see M.A. Chermousov (217) 124
 Fairwell, T., P. Julià, R. Kaiser, B. Holmquist, X. Parés, B.L. Vallee and H. Jörnvall, Acetylated N-terminal structures of class III alcohol dehydrogenases: Differences among the three enzyme classes (222) 99
 Falasca, A. see E.J. Wawrzyniczak (219) 51
 Falcioni, G., G. Cincolà and M. Brunori, Glutathione peroxidase and oxidative hemolysis in trout red blood cells (221) 355
 Falgoutyret, J.P. see S. Benjannet (224) 142
 Falk, P. see G. Larson (214) 41
 Falkmer, S. see J.M. Conlon (208) 445
 Falloon, J., H. Malech, G. Milligan, C. Unson, R. Kahn, P. Goldsmith and A. Spiegel, Detection of the major pertussis toxin substrate of human leukocytes with antisera raised against synthetic peptides (209) 352
 Falus, A. see L. Fesus (224) 104
 Fang, P.F. see Y.X. Zhu (208) 253
 Fang, Y.-I. see T. Isobe (223) 92
 Fanjul, L.F. see D.R. Cooper (214) 122
 Faragó, A. see L. Buday (223) 15
 Farese, R.V. see D.R. Cooper (214) 122
 Farese, R.V. see J.S. Davis (208) 287
 Farkas, G. see L. Buday (223) 15
 Farkas, T. see G. Premecz (226) 13
 Farnararo, M. see P. Bruni (222) 27
 Farnsworth, D.E. see R. Feyereisen (222) 345
 Farr, G.W. see H. Sternlicht (214) 226
 Farrar, W.L. see M.R. Ruff (211) 17
 Faucher, N. see L. Beaumier (221) 289
 Faulhammer, H.G. and R.L. Joshi, Structural features in aminoacyl-tRNAs required for recognition by elongation factor Tu (217) 203
 Faulhammer, H.G. see R.L. Joshi (208) 189
 Fauque, G.D., I. Moura, J.J.G. Moura, A.V. Xavier, N. Galliano and J. LeGall, Isolation and characterization of a rubredoxin and a flavodoxin from *Desulfovibrio desulfuricans* Berre-Eau (215) 63
 Fauque, G.D. see Y.M. Berlier (221) 241
 Fauvel, J., J.-P. Salles, V. Roques, H. Chap, H. Rochat and L. Douste-Blazy, Lipocortin-like anti-phospholipase A₂ activity of endonexin (216) 45
 Fauvel, J., P. Vicendo, V. Roques, J. Ragab-Thomas, C. Granier, I. Vilgrain, E. Chambaz, H. Rochat, H. Chap and L. Douste-Blazy, Isolation of two 67 kDa calcium-binding proteins from pig lung differing in affinity for phospholipids and in anti-phospholipase A₂ activity (221) 397
 Favaudon, V. see F. Pochon (217) 101
 Fedi, S. see G. Laffi (220) 217
 Feduchi, E. and L. Carrasco, Adenovirus infection reverses the antiviral state induced by human interferon (214) 153
 Feeney, J. see B. Birdsall (217) 106
 Fehr, S., R. Ivell, R. Koll, D. Schams, M. Fields and D. Richter, Expression of the oxytocin gene in the large cells of the bovine corpus luteum (210) 45
 Feiler, U. see W. Nitschke (218) 283
 Feingold, D.S. and R. Bentley, Conformational aspects of the reaction mechanisms of polysaccharide lyases and epimerases (223) 207
 Feinstein, M.B. see F. O'Rourke (214) 176
 Feizi, T. see C. Southan (214) 301
 Feldman, D.H., B.M. Olivera and D. Yoshikami, Omega *Conus geographus* toxin: a peptide that blocks calcium channels (214) 295
 Felipo, V. and S. Grisolia, Precursors of mitochondrial proteins are degraded in the cytosol at different rates (209) 227
 Felipo, V. and S. Grisolia, Retention of actin synthesis in liver under conditions that inhibit synthesis of almost all other proteins (210) 173
 Felix, A.M. see A.A. Haritos (218) 107
 Fellmann, P. see A. Zachowski (223) 315
 Fendler, K., E. Grell and E. Bamberg, Kinetics of pump currents generated by the Na⁺, K⁺-ATPase (224) 83
 Fernandez, J.M., M. Lindau and F. Eckstein, Intracellular stimulation of mast cells with guanine nucleotides mimic antigenic stimulation (216) 89
 Fernández-Gonzalez, M.A. see M.J. Carmena (218) 73
 Fernandez Villamil, S.H. see M. Dubin (220) 197
 Fernig, D.G. and R.J. Mayer, Degradation of nuclear proteins: studies on transplanted B82 cell karyoplast proteins (210) 165
 Fernlund, P. see S. Gershagen (220) 129
 Ferrara, P., F. Pecceu, E. Marchese, N. Vita, W. Roskam and J. Lupker, Characterization of recombinant glycosylated human interleukin 2 produced by a recombinant plasmid transformed CHO cell line (226) 47
 Ferrari, N. see A. De Ambrosis (225) 120
 Ferri, G. see M. Galliano (208) 364
 Ferro, M. see D. Fürst (224) 49
 Fesenko, E.E. see S.S. Kolesnikov (222) 37
 Fesenko, E.E., V.I. Novoselov and M.F. Bystrova, The subunits of specific odor-binding glycoproteins from rat olfactory epithelium (219) 224
 Festa, A. see M. Clementi (221) 11
 Fesus, L., V. Thomazy and A. Falus, Induction and activation of tissue transglutaminase during programmed cell death (224) 104

- Fetisova, Z.G., A.M. Freiberg and K.E. Timpmann, Investigations by picosecond polarized fluorescence spectrochronography of structural aspects of energy transfer in living cells of the green bacterium *Chlorobium limicola* (223) 161
- Feve, B. and J. Pairault, Dexamethasone-dependent expression of β^{1-24} corticotropin stimulated adenylate cyclase during adipose conversion of 3T3-F442A cells (219) 56
- Fewson, C.A. see G.A. Nimmo (213) 18
- Feyereisen, R. and D.E. Farnsworth, Inhibition of insect juvenile hormone synthesis by phorbol 12-myristate 13-acetate (222) 345
- Field, A.C. see T. Capiod (217) 247
- Field, R.A. see N. Foote (214) 347
- Fields, M. see S. Fehr (210) 45
- Filetti, S. see G. Damante (225) 264
- Filipski, J., Correlation between molecular clock ticking, codon usage, fidelity of DNA repair, chromosome banding and chromatin compactness in germline cells (217) 184
- Findlay, J.B.C. see A. Cavaggoni (212) 225
- Fink, G. see A.J. Harmar (208) 67
- Fink, G. see J. Simpson (217) 62
- Fink, P.S., T. Whitford, M. Leffak and L.J. Prochaska, Answer (220) 263
- Fink, P.S., T. Whitford, M. Leffak and L.J. Prochaska, Homology between bacterial DNA and bovine mitochondrial DNA encoding cytochrome *c* oxidase subunit III (214) 75
- Fink de Cabutti, N.E., M. Caron, R. Joubert, M.T. Elola, D. Bladier and J. Herkovitz, Purification and some characteristics of a β -galactoside binding soluble lectin from amphibian ovary (223) 330
- Finkelstein, A. see R.O. Blaustein (226) 115
- Finn, P.W. see R.V. Fishleigh (214) 219
- Fisher, S.C. see A.M. Salter (220) 159
- Fishleigh, R.V., B. Robson, J. Garnier and P.W. Finn, Studies on rationales for an expert system approach to the interpretation of protein sequence data: Preliminary analysis of the human epidermal growth factor receptor (214) 219
- Fishleigh, R.V. see C.A. Morrison (214) 65
- Fittkau, S. see D. Brömme (219) 441
- Fitzgerald, M. see F.-Z. Chung (211) 200
- Flagella, Z. see P. Cantatore (213) 144
- Flentje, U. see W. Hinderer (214) 101
- Fletcher, A.E., E.H. Allan, D.J. Casley and T.J. Martin, Atrial natriuretic factor receptors and stimulation of cyclic GMP formation in normal and malignant osteoblasts (208) 263
- Flippen-Anderson, J.L. see Q.S. Yu (221) 325
- Flitter, W.D. see K.M. Morehouse (222) 246
- Floc'h, F. see J. Berthou (218) 55
- Florencio, F.J., S. Marqués and P. Candau, Identification and characterization of a glutamate dehydrogenase in the unicellular cyanobacterium *Synechocystis* PCC 6803 (223) 37
- Flügel, R.M. see B. Maurer (222) 286
- Flynn, T.G. see M.M. Bhadbhade (211) 243
- Fojo, S.S., S.W. Law and H.B. Brewer, jr, The human preproapolipoprotein C-II gene: Complete nucleic acid sequence and genomic organization (213) 221
- Földes, I. see G. Premecz (226) 13
- Foley, M. see I.V. Zlatanov (222) 47
- Follmann, H. see H.P.C. Hogenkamp (219) 197
- Follmann, H. see J. Harder (222) 171
- Fonberg, I.B. see M.L. Ernst-Fonberg (215) 261
- Foote, N., P.M.A. Gadsby, R.A. Field, C. Greenwood and A.J. Thomson, A comparison by magnetic circular dichroism of compound X and compound II of horseradish peroxidase (214) 347
- Forbes, I.J. see J.K. French (212) 242
- Foreman, R.C. and J.D. Judah, The processing and secretion of rat serum albumin by oocytes from *Xenopus laevis* (219) 75
- Foreman, R.C., Disruption of the Lys-290–Glu-342 salt bridge in human α_1 -antitrypsin does not prevent its synthesis and secretion (216) 79
- Formukong, E. see A.T. Evans (211) 119
- Forrest, M.E. and J.T. Beatty, Purification of *Rhodobacter capsulatus* RNA polymerase and its use for in vitro transcription (212) 28
- Forsgren, M., B. Råden, M. Israelsson, K. Larsson and L.-O. Hedén, Molecular cloning and characterization of a full-length cDNA clone for human plasminogen (213) 254
- Forssmann, W.G. see M. Gagelmann (225) 251
- Fortina, M.G. see P.L. Manachini (214) 305
- Fouladgar, H. see D. Rogez (219) 22
- Fracasso, F. see P. Cantatore (213) 144
- Francina, A. see F. Baklouti (223) 59
- Franco, L. see J.E. Pérez-Ortín (208) 31
- Frank, G. see T.D. Wechsler (210) 189
- Frank, H.A. see D.F. Bocian (214) 92
- Franke, J.E. see G.P. Palace (215) 58
- Fraser, C.M. see F.-Z. Chung (211) 200
- Fratelli, M. and A. De Blasi, Agonist-induced α_1 -adrenergic receptor changes: Evidence for receptor sequestration (212) 149
- Fredholm, B.B. see C. Nordstedt (220) 57
- Freiberg, A.M. see Z.G. Fetisova (223) 161
- French, J.K., N.P. Hurst, P.D. Zalewski, L. Valente and I.J. Forbes, Calcium ionophore A23187 enhances human neutrophil superoxide release, stimulated by phorbol dibutyrate, by converting phorbol ester receptors from a low- to high-affinity state (212) 242
- Frère, J.-M. see L. Varetto (225) 218
- Frerman, F.E. see M.K. Johnson (226) 129
- Frid, M.G. see M.A. Chernousov (217) 124
- Fridkin, M. see R. Buchta (211) 165
- Friedman, J.E. see P.I. Lelkes (208) 357
- Fritz, C.C. see T. Etzold (219) 343
- Fritzsche, T.M. see A. Wolf (212) 203
- Froesch, E.R. see M. Ernst (220) 163
- Fromageot, P. see O. Trémeau (208) 236
- Fromme, P., P. Gräber and J. Salnikow, Isolation and identification of a fourth subunit in the membrane part of the chloroplast ATP-synthase (218) 27
- Fruchart, J.-C. see J. Benveniste (226) 371
- Fruth, U. see H.-G. Simon (223) 352
- Frydman, R.B., O. Ruiz, M. Krcisel and U. Bachrach, Oxidation of *N*-alkyl and *C*-alkylputrescines by diamine oxidases (219) 380
- Füglister, P. see F. Suter (217) 279
- Fujii, M., M. Nakamura, K. Ohtani, K. Sugamura and Y. Hinuma, 12-*O*-Tetradecanoylphorbol-13-acetate induces the enhancer function of human T-cell leukemia virus type I (223) 299
- Fujii, T. see U. Kikkawa (217) 227
- Fujii, T. see U. Kikkawa (223) 212
- Fujii, T. see Y. Ono (226) 125
- Fujii, Y. see K. Satoh (216) 7
- Fujisawa, H. see T. Ichimura (219) 79
- Fujita, J. see Y. Seino (223) 74
- Fujita, Y. see T. Tobimatsu (222) 56
- Fukazawa, C., K. Uda, A. Murayama, W. Higuchi and A. Totsuka, Expression of soybean glycinin subunit precursor cDNAs in *Escherichia coli* (224) 125
- Fukuda, K. see T. Kurosaki (214) 253
- Fukuda, K. see T. Tobimatsu (222) 56
- Fukui, S. see A. Kurosaki (215) 137
- Fukui, S. see T. Itoh (219) 339
- Fukumoto, H. see Y. Seino (223) 74
- Fukumoto, Y. see K. Kariya (217) 69
- Fukumoto, Y. see T. Tsuda (208) 39

- Fukusen, N. see H. Kido (223) 223
 Fukushima, M. see J. Abe (226) 58
 Fukuzaki, H. see K. Kariya (217) 69
 Fukuzawa, H., T. Yoshida, T. Kohchi, T. Okumura, Y. Sawano and K. Ohyama, Splicing of group II introns in mRNAs coding for cytochrome *b₆* and subunit IV in the liverwort *Marchantia polymorpha* chloroplast genome: Exon specifying a region coding for two genes with the spacer region (220) 61
 Fuller, C.M. see A.P. Morris (211) 195
 Fumagalli, R. see J.L. Lorenzo (218) 77
 Funakoshi, I. see A. Kurosaka (215) 137
 Funatsu, G. see T. Utsumi (216) 99
 Furmaniak, J., F.A. Hashim, P.R. Buckland, V.B. Petersen, K. Beever, R.D. Howells and B. Rees Smith, Photoaffinity labelling of the TSH receptor on FRTL₅ cells (215) 316
 Fürst, D., R. Nave, M. Osborn, K. Weber, A. Bardosi, N. Archidiacono, M. Ferro, V. Romano and G. Romeo, Nebulin and titin expression in Duchenne muscular dystrophy appears normal (224) 49
 Furukawa, S. see Y. Furukawa (208) 258
 Furukawa, Y., S. Furukawa, F. Ikeda, E. Satoyoshi and K. Hayashi, Aliphatic side chain of catecholamine potentiates the stimulatory effect of the catechol part on the synthesis of nerve growth factor (208) 258
 Furuki, Y. see T. Yamamoto (219) 326
 Furuya, K. see K. Enomoto (223) 82
 Futai, M. see S.-Y. Hsu (218) 222
 Futai, M. see T. Noumi (213) 381
 Fyles, J.M. see P.M. Jones (219) 139

G

- Gaboriaud, C., V. Bissery, T. Benchetrit and J.P. Mornon, Hydrophobic cluster analysis: an efficient new way to compare and analyse amino acid sequences (224) 149
 Gacesa, P., Alginate-modifying enzymes: A proposed unified mechanism of action for the lyases and epimerases (212) 199
 Gadaleta, M.N. see P. Cantatore (213) 144
 Gadsby, P.M.A. see N. Foote (214) 347
 Gadsby, P.M.A. see R.S. Blackmore (219) 244
 Gaffner, R. see P. Moonen (226) 314
 Gagelmann, M., D. Hock and W.G. Forssmann, Relaxation of smooth muscle by cardiodilatin/atrial natriuretic peptide is inhibited by cAMP-dependent phosphorylation (225) 251
 Gagnon, J. see G.J. Arlaud (222) 129
 Gahmberg, C.G. see M.J. Coll (208) 418
 Gahmberg, C.G. see M. Patarroyo (210) 127
 Gal, A., Y. Shahak, G. Schuster and I. Ohad, Specific loss of LHCII phosphorylation in the *Lemna* mutant 1073 lacking the cytochrome *b₆/f* complex (221) 205
 Galaktionov, S.G. see M.A. Rodionov (223) 402
 Galassi, C. see S. Lamponi (216) 265
 Galeotti, T. see S. Borrello (209) 305
 Gallacher, D.V. see A.P. Morris (211) 195
 Gallay, J. see B. de Foresta (216) 107
 Gallego, C., R. Bartrons and J. Carreras, Fructose 2,6-bisphosphate and glucose 1,6-bisphosphate in rabbit erythroid cells during differentiation (222) 167
 Galliano, M., L. Minchiotti, P. Iadarola, M. Stoppini, G. Ferri and A.A. Castellani, The molecular defect of albumin Tagliacozzo: 313 Lys→Asn (208) 364
 Galliano, N. see G.D. Fauque (215) 63
 Gallop, P. see H.M. Hanauske-Abel (214) 236
 Gallozzi, E. see A.M. Vaccaro (216) 190
 Galván, A. see C. Osuna (211) 41
 Gamblin, S.J. see J.A. Littlechild (225) 123
 Gancedo, C. see J.J. Aragón (226) 121
 Gancedo, C. see P. Eraso (224) 187
 Ganguly, S., Iodination-induced alterations in biochemical properties of human placental insulin receptor (224) 198
 Ganguly, U. see R. Ray (213) 81
 Ganter, U.M. see K. Gerwert (213) 39
 Ganter, U. see T. Andus (221) 18
 Gao, X. see A. Barlas (218) 266
 Gao, Z. and E. Bäuerlein, Identifying subunits of ATP synthase TF₀·F₁ in contact with phospholipid head groups: α -Subunits are labelled selectively by a new photoreactive phospholipid designed for hydrophilic photolabelling (223) 366
 Garber, M.B. see S.D. Trakhanov (220) 319
 Garber, M.B. see S.E. Sedelnikova (220) 227
 Gardeström, P., Adenylate ratios in the cytosol, chloroplasts and mitochondria of barley leaf protoplasts during photosynthesis at different carbon dioxide concentrations (212) 114
 Gardette, J., D. Margelin, J.C. Maziere, J. Bertrand and J. Picard, Effect of dibutyl cyclic AMP and theophylline on lipoprotein lipase secretion by human monocyte-derived macrophages (225) 178
 Gardinier, M.V. see W.B. Macklin (223) 417
 Gardner, J.O. see J. Simpson (217) 62
 Gárdos, G. see L. Hunyady (225) 72
 Gariglio, P. see J. Silva (214) 71
 Garland, L.G. see J. Dawson (214) 171
 Garland, L.G. see R.W. Bonser (209) 134
 Garland, L.G. see R.W. Randall (214) 167
 Garland, P.B. see I.V. Zlatanov (222) 47
 Garland, W.G., K.A. Louie, A.T. Matheson and A. Liljas, The complete amino acid sequence of the ribosomal 'A' protein (L12) from *Bacillus stearothermophilus* (220) 43
 Garman, A.J. and S. Barret Kalindjian, The preparation and properties of novel reversible polymer-protein conjugates: 2- ω -Methoxypolyethylene (5000) glycoxymethylene-3-methylmaleyl conjugates of plasminogen activators (223) 361
 Garnier, J. see R.V. Fishleigh (214) 219
 Garrigues, A.M., F. Gehelmann, J.M. Girault, M. Delaage and J. Labouesse, Haloperidol-succinylglycyl[¹²⁵I]iodotyrosine, a novel iodinated ligand for dopamine D₂ receptors (224) 267
 Garty, N.B. and Y. Salomon, Stimulation of partially purified adenylate cyclase from bull sperm by bicarbonate (218) 148
 Gasa, S. see Y. Uehara (208) 352
 Gasnier, B., D. Scherman and J.-P. Henry, Inactivation of the catecholamine transporter during the preparation of chromaffin granule membrane 'ghosts' (222) 215
 Gatehouse, J.A. see J.N. Yarwood (222) 175
 Gatehouse, J.A. see R.N. Waterhouse (209) 223
 Gathercole, L.J. see K. Barnard (212) 49
 Gause, G.G. see L.J. Summers (208) 11
 Gausing, K. see P.S. Nielsen (225) 159
 Gavrilo, E.F. see A.M. Kuznetsov (215) 219
 Gawler, D. and M.D. Houslay, Insulin stimulates a novel GTPase activity in human platelets (216) 94
 Gawlikowaki, W. see J.A. Czyrski (219) 331
 Gayda, J.P., T. Yagi, H. Benosman and P. Bertrand, EPR redox study of cytochrome *c₃* from *Desulfovibrio vulgaris* Miyazaki (217) 57
 Gearing, A.J.H. see T.A. Bird (225) 21
 Geddes, A.J. see D.K. Stammers (218) 178
 Gehelmann, F. see A.M. Garrigues (224) 267

- Geiger, J.D. and J.I. Nagy, Lack of adenosine deaminase deficiency in the mutant mouse *wasted* (208) 431
- Geiger, T. see T. Andus (221) 18
- Geisler, N., J. Vandekerckhove and K. Weber, Location and sequence characterization of the major phosphorylation sites of the high molecular mass neurofilament proteins M and H (221) 403
- Gelfand, V.I. see S.A. Kuznetsov (212) 145
- Genest, J. see J. Gutkowska (214) 17
- Gensburger, C., G. Labourette and M. Sensenbrenner, Brain basic fibroblast growth factor stimulates the proliferation of rat neuronal precursor cells in vitro (217) 1
- Gentilini, P. see G. Laffi (220) 217
- George, C. see B. DeCosta (223) 335
- George, P.M. see S.O. Brennan (219) 431
- Gerisch, G. see M. Westphal (209) 92
- Gerken, S., K. Brettel, E. Schlodder and H.T. Witt, Direct observation of the immediate electron donor to chlorophyll- a_1 (P-680) in oxygen-evolving photosystem II complexes: Resolution of nanosecond kinetics in the UV (223) 376
- Gerken, S. see I. Witt (221) 260
- Germann, W.J. see R.O. Blaustein (226) 115
- Gershagen, S., P. Fernlund and Å. Lundwall, A cDNA coding for human sex hormone binding globulin: Homology to vitamin K-dependent protein S (220) 129
- Gershman, L.C. see L.A. Selden (217) 89
- Gersonde, K. see R. Arkowitz (217) 21
- Gertler, A. see A. Ashkenazi (210) 51
- Gerwert, K., U.M. Ganter, F. Siebert and B. Hess, Only water-exposed carboxyl groups are protonated during the transition to the cation-free blue bacteriorhodopsin (213) 39
- Geschwind, J.-F. see M. Prentki (220) 103
- Gesser, B. see J.E. Celis (220) 1
- Gessner, W. see A. Brossi (223) 77
- Gestautas, J. see R.P. Magnusson (208) 391
- Gevondyan, N.M. see Yu.A. Ovchinnikov (217) 269
- Gewitz, H.S. see J. Piefke (209) 104
- Geyssant, A. see F. Baklouti (223) 59
- Ghanem, N. see S. Huck (208) 221
- Ghazi, A., L. Delamoured and E. Shechter, Absence of a unique relationship between active transport of lactose and protonmotive force in *E. coli* (209) 325
- Ghigino, K.P. see J.R. Wardlaw (223) 20
- Ghosh, R. and R. Aggeler, Effect of lipid fluidity upon the activity and structure of the 39 kDa porin from *Enterobacter cloacae* 908S (222) 154
- Ghuysen, J.-M. see L. Varetto (225) 218
- Giardina, B. see M. Brunori (221) 161
- Gibson, A. see E. Bock (225) 33
- Gibson, I.F. see M. Bushfield (222) 299
- Gierschik, P. and K.H. Jakobs, Receptor-mediated ADP-ribosylation of a phospholipase C-stimulating G protein (224) 219
- Gierschik, P. see P.M. Murphy (221) 81
- Gierse, J.K. see G.M. Olins (224) 325
- Gigova, L. see I. Ivanov (210) 56
- Gilbert, D.L. see C.A. Colton (223) 284
- Gilboa-Garber, N. see D. Avichezer (216) 62
- Giles, I.G. see Y.C. Hsu (218) 1
- Gilkes, N.R. see M.L. Langsford (225) 163
- Gilmanshin, R.I. and O.B. Ptitsyn, An early intermediate of refolding α -lactalbumin forms within 20 ms (223) 327
- Gilroy, S., W.A. Hughes and A.J. Trewavas, Calmodulin antagonists increase free cytosolic calcium levels in plant protoplasts in vivo (212) 133
- Jiménez, C. see M.C. Aragón (212) 87
- Binns, E.I. see M.R. Ruff (211) 17
- Ginsberg, J., P.G. Murray, J.E. Parente and K. Wong, Translocation of protein kinase C in porcine thyroid cells following exposure to thyrotropin (226) 223
- Girard, F. see Y. Le Bouc (222) 181
- Giraud, Y. see F. Baklouti (223) 59
- Girault, J.M. see A.M. Garrigues (224) 267
- Gishizky, M.L. and G.M. Grodsky, Differential kinetics of rat insulin I and II processing in rat islets of Langerhans (223) 227
- Giudicelli, Y. see F. Bauché (219) 296
- Gladilin, K.L. see Y.A. Motorin (220) 363
- Glas-Albrecht, R. see B. Stecher (223) 25
- Glaser, E., B. Hamasur, B. Norling and B. Andersson, Activation of F_1 -ATPase isolated from potato tuber mitochondria (223) 304
- Glaser, E. see B. Norling (223) 304
- Glazer, A.N. see F. Suter (217) 279
- Glennon, M.C. see M. Prentki (220) 103
- Gliemann, J. and L. Sottrup-Jensen, Rat plasma α_1 -inhibitor₃ binds to receptors for α_2 -macroglobulin (221) 55
- Glossmann, H. see J. Striessnig (212) 247
- Glukhova, M.A., A.E. Kabakov, O.I. Ornatsky, T.D. Vasilievskaya, V.E. Koteliatsky and V.N. Smirnov, Immunoreactive forms of caldesmon in cultivated human vascular smooth muscle cells (218) 292
- Gnuchev, N.V. see L.P. Sashchenko (226) 261
- Gocayne, J. see F.-Z. Chung (211) 200
- Godfroid, J.-J. see F. Heymans (218) 35
- Goedde, H.W. see T. Braun (215) 233
- Goetz, J. see B. Uring-Lambert (217) 65
- Goffeau, A. see L. de Meis (212) 323
- Gogol, E.P., U. Lücken and R.A. Capaldi, The stalk connecting the F_1 and F_0 domains of ATP synthase visualized by electron microscopy of unstained specimens (219) 274
- Going, J. see A.J. Harmar (208) 67
- Gojobori, T., S. Aota, T. Inoue and K. Shimotohno, A sequence homology between the pX genes of HTLV-I/II and the murine IL-3 gene (208) 231
- Gold, M.H. see K. Miki (210) 199
- Golderer, G., P. Loidl and P. Gröbner, Histone acetyltransferase activity during the cell cycle (222) 322
- Goldfeld, M.G. see S.A. Dikanov (224) 75
- Goldsmith, P. see J. Falloon (209) 352
- Goldsmith, P. see P.M. Murphy (221) 81
- Goldstein, B.N. and A.N. Ivanova, Hormonal regulation of 6-phosphofructo-2-kinase/fructose-2,6-bisphosphatase: kinetic models (217) 212
- Goldstein, S. see C. Mazière (218) 243
- Golovanova, N.K. see G.I. Muzya (220) 371
- Gómez, M.-E. see J.J. Aragón (226) 121
- Gómez-Márquez, J. and F. Segade, Prothymosin α is a nuclear protein (226) 217
- Goncalves de Moraes, V.L. and L. de Meis, ATP synthesis by the $(Na^+ + K^+)$ -ATPase in the absence of an ionic gradient: Effects of organic solvent (222) 163
- Gonzalez, D.H. see C.S. Andreo (213) 1
- Gonzalez-Carrero, M. see J.L. Ramos (226) 241
- González-Martínez, M. and A. Darszon, A fast transient hyperpolarization occurs during the sea urchin sperm acrosome reaction induced by egg jelly (218) 247
- Goodchild, D.J. see J.M. Anderson (213) 29
- Gopalakrishna, K., A. Kalia, A.K. Royyuru, M. Atreyi, M.V.R. Rao and V. Kothekar, Theoretical study on binding of Hoechst 33258 with oligonucleotides (215) 95
- Gopalakrishna, R. and W.B. Anderson, Susceptibility of protein kinase C to oxidative inactivation: loss of both phosphotransferase activity and phorbol diester binding (225) 233
- Gopher, A. see B. Kalderon (213) 209

- Gopher, A. see B. Kalderon (220) 259
- Goping, I.S. see G.L. Hammond (215) 100
- Gordon, R.K. see A. Ahmad (214) 285
- Gorewit, R.C., H.Y. Chen and J.J. Kopchick, Growth hormone gene expression in myoepithelial cells directed by various eucaryotic transcriptional regulatory sequences (225) 238
- Goris, J. see P. Agostinis (224) 385
- Gorter, G. see W. Siffert (212) 123
- Gosselin, G. see P.F. Torrence (212) 267
- Goto, K. see S. Ohta (226) 171
- Gotoh, K. see W. Sakamoto (219) 437
- Gottschalk, G. see M. Blaut (215) 53
- Gounaris, K., U. Pick and J. Barber, Stoichiometry and turnover of photosystem II polypeptides (211) 94
- Govindjee, R. see Z. Dancshazy (209) 44
- Gowda, S. see R.V. Guntaka (221) 332
- Gräber, P. see P. Fromme (218) 27
- Graber, P. see P. Wingfield (215) 160
- Grabner, M. see J. Striessnig (212) 247
- Graceffa, P., Evidence for interaction between smooth muscle tropomyosin and caldesmon (218) 139
- Graff, I., J. Mockel, E. Laurent, C. Erneux and J.E. Dumont, Carbachol and sodium fluoride, but not TSH, stimulate the generation of inositol phosphates in the dog thyroid (210) 204
- Grama, D.P. see V.V. Dolja (214) 308
- Grange, R.W. see M.E. Houston (219) 469
- Granier, C. see J. Fauvel (221) 397
- Grant, M.E. see S. Ayad (220) 181
- Grant, N.J. see B. Demeneix (226) 337
- Gras, U. see B. Stecher (223) 25
- Gratzl, M. see O.K. Langley (220) 108
- Gravel, D. see R. Cedergren (226) 63
- Gray, D.W.R. see P. Hammonds (223) 131
- Gray, J.C. see S.M. Hird (209) 181
- Gray, K.A. see M. Hirasawa (221) 343
- Grazi, E. see V. Lanzara (221) 387
- Graziana, A. see M. Dillenschneider (208) 413
- Green, M.J., H.A.O. Hill and D.G. Tew, The rate of oxygen consumption and superoxide anion formation by stimulated human neutrophils: The effect of particle concentration and size (216) 31
- Greenbaum, L.M. see A. Barlas (218) 266
- Greenberg, J.R. and L.I. Slobin, Eukaryotic elongation factor Tu is present in mRNA-protein complexes (224) 54
- Greenwood, C. see N. Foote (214) 347
- Greenwood, C. see R.S. Blackmore (219) 244
- Gregory, H. see H. Desmond (210) 185
- Gregory, R.B. see M.N. Berry (224) 201
- Grell, E. see K. Fendler (224) 83
- Grenet, D. see J. Codina (216) 104
- Gresh, N. see K.-X. Chen (224) 361
- Griffiths, J.C., H. Sies, P.J. Meier and T.P.M. Akerboom, Inhibition of taurocholate efflux from rat hepatic canalicular membrane vesicles by glutathione disulfide (213) 34
- Griffor, M.C. see E.C. Wiener (224) 33
- Grigoriadis, D.E. see H.B. Niznik (209) 71
- Grimm, R., F. Lottspeich and W. Rüdiger, Heterogeneity of the amino acid sequence of phytochrome from etiolated oat seedlings (225) 215
- Grimmelikhuijzen, C.J.P. and A. Groeger, Isolation of the neuropeptide pGlu-Gly-Arg-Phe-amide from the pennatulid *Renilla köllikeri* (211) 105
- Grinblat, L. see M. Dubin (220) 197
- Grinstein, S. see O.D. Rotstein (215) 223
- Grinstein, S. see P.E. Nasmith (221) 95
- Grisebach, H. see D.R. Biggs (220) 223
- Grishanova, N.P. see V.Z. Paschenko (214) 28
- Grishin, A.V. see E.D. Sverdlov (217) 275
- Grishin, A.V. see E.D. Sverdlov (221) 129
- Grisolia, S. see E. Roche (221) 231
- Grisolia, S. see J.L. Vargas (224) 182
- Grisolia, S. see R. Wallace (208) 427
- Grisolia, S. see V. Felipo (209) 227
- Grisolia, S. see V. Felipo (210) 173
- Gritsan, N.P. see D.G. Sushkov (225) 139
- Grivell, A.R. see M.N. Berry (224) 201
- Gröbner, P. see G. Golderer (222) 322
- Grodsky, G.M. see M.L. Gishizky (223) 227
- Groeger, A. see C.J.P. Grimmelikhuijzen (211) 105
- Gróf, P. see D. Aslanian (219) 202
- Groh, M.M.J. see A. Montfoort (226) 101
- Gronenborn, A.M., G. Bovermann and G.M. Clore, A ¹H-NMR study of the solution conformation of secretin: Resonance assignment and secondary structure (215) 88
- Gronenborn, A.M. see G.M. Clore (213) 269
- Gronenborn, A.M. see H.R. MacDonald (209) 295
- Gronenborn, A.M. see M. Nilges (219) 11
- Gronenborn, A.M. see P. Wingfield (215) 160
- Grootveld, M. see B. Halliwell (213) 9
- Grootveld, M. see B. Halliwell (213) 15
- Grootveld, M. see P.C. Moorhouse (213) 23
- Gross, B. see H.-J. Kärgel (220) 126
- Gross, M. see T. Wagner (212) 317
- Grosse, R., R. Schön, P. Jantschkeff and G. Pasternak, Immunological and biochemical aspects of malignant transformation and cell proliferation: A report of a meeting held at Berlin-Buch, German Democratic Republic, September 2–4, 1986 (210) 123
- Grosse, R. see B. Binas (213) 164
- Grubb, A. see M. Abrahamson (216) 229
- Grundström, T. see J. Sanchez (208) 194
- Gryshin, A.V. see Yu.A. Ovchinnikov (213) 73
- Grzesiek, S. and N.A. Dencher, Time-course and stoichiometry of light-induced proton release and uptake during the photocycle of bacteriorhodopsin (208) 337
- Grzonka, Z. see E. Kojro (212) 83
- Gu, Z.-W. see C. Yang (224) 261
- Gualberto, J.M. see M.C. Duque-Magalhães (210) 142
- Gualerzi, C.O. see M. Lammi (215) 115
- Gubanov, V.V. see Yu.A. Ovchinnikov (223) 169
- Gudmundsson, G.H. see D.-A. Lidholm (226) 8
- Gueguen, P. see C. Carles (212) 163
- Guerin, B. see J.-J. Bessoule (214) 158
- Guerrero, A., J.A. Sánchez and A. Darszon, Single-channel activity in sea urchin sperm revealed by the patch-clamp technique (220) 295
- Guerrieri, F., R. Scarfò, F. Zanotti, Y.W. Che and S. Papa, Regulatory role of the ATPase inhibitor protein on proton conduction by mitochondrial H⁺-ATPase complex (213) 67
- Guerritore, A. see S. Lamponi (216) 265
- Guibbolini, M.E. and B. Lahlou, Neurohypophyseal peptide inhibition of adenylate cyclase activity in fish gills: The effect of environmental salinity (220) 98
- Guitart, X., G. Egea, C. Solsona and J. Marsal, Botulinum neurotoxin inhibits depolarization-stimulated protein phosphorylation in pure cholinergic synaptosomes (219) 219
- Gulayeva, L.F. see Ya.Yu. Woldman (212) 53
- Gull, K., M. Wilcox and C.R. Birkett, Immunological evidence for a *Physarum* β -tubulin polypeptide possessing an α -tubulin-like carboxyl terminus (219) 31
- Gulyaeva, N.V., A.B. Obidin and B.S. Marinov, Modulation of superoxide dismutase by electron donors and acceptors (211) 211
- Gunge, N. see S. Oshiro (220) 383
- Guntaka, R.V., S. Gowda, H. Wagner and D. Simon, Methylation of the enhancer region of avian sarcoma virus long terminal repeat suppresses transcription (221) 332
- Günther, H. see S. Nagata (210) 66

- Günther, R., E. Bause and L. Jaenicke, UDP-L-arabinose-hydroxyproline-*O*-glycosyltransferases in *Volvox carteri* (221) 293
 Günzler, V. see H.M. Hanauske-Abel (214) 236
 Guo, S.Y. see Y.X. Zhu (208) 253
 Guschlbauer, W. see A. Kriebardis (213) 297
 Guschlbauer, W. see R. Lauster (220) 167
 Gutkowska, J., M. Cantin, J. Genest and P. Sirois, Release of immunoreactive atrial natriuretic factor from the isolated perfused rat lung (214) 17
 Gutowicz, J. see K. Michalak (219) 233
 Gutteridge, J.M.C., A method for removal of trace iron contamination from biological buffers (214) 362
 Gutteridge, J.M.C. see P.C. Moorhouse (213) 23
 Gylfe, E. see P. Nygren (213) 195

H

- Ha, J.-M. see T. Hiwasa (211) 23
 Haak, N.P. see H.S. van Walraven (208) 138
 Haemmerli, S.D., H.E. Schoemaker, H.W.H. Schmidt and M.S.A. Leisola, Oxidation of veratryl alcohol by the lignin peroxidase of *Phanerochaete chrysosporium*: Involvement of activated oxygen (220) 149
 Haenni, A.L. see R.L. Joshi (208) 189
 Hafner, R.P., Thyroid hormone uptake into the cell and its subsequent localisation to the mitochondria (224) 251
 Haga, K. see T. Kubo (209) 367
 Haga, T. see T. Kubo (209) 367
 Haiech, J. see M. Dillenschneider (208) 413
 Hainque, B. see M.K. Agarwal (217) 221
 Haith, C.E. see W.J. Jackson (215) 171
 Haka-Risku, T. see R. Soininen (225) 188
 Hakam, A., J. McLick, K. Buki and E. Kun, Catalytic activities of synthetic octadeoxyribonucleotides as coenzymes of poly(ADP-ribose) polymerase and the identification of a new enzyme inhibitory site (212) 73
 Hakkola, E. see T. Kärki (215) 228
 Halban, P.A. see C.J. Rhodes (215) 179
 Hale, R.S., K.N. Jordan and P.F. Leadlay, A small, discrete acyl carrier protein is involved in de novo fatty acid biosynthesis in *Streptomyces erythraeus* (224) 133
 Hales, C.N. see N.C. Sturgess (208) 397
 Hall, A. see R.M. O'Brien (217) 253
 Hall, B.S., A.V. Hoffbrand and R.G. Wickremasinghe, Two major tyrosine protein kinases of resting human T lymphocytes are down-regulated following mitotic stimulation (223) 6
 Hallett, M.B. see F.A. Al-Mohanna (219) 40
 Halliwell, B. and M. Grootveld, The measurement of free radical reactions in humans: Some thoughts for future experimentation (213) 9
 Halliwell, B., M. Wasil and M. Grootveld, Biologically significant scavenging of the myeloperoxidase-derived oxidant hypochlorous acid by ascorbic acid: Implications for antioxidant protection in the inflamed rheumatoid joint (213) 15
 Halliwell, B. see P.C. Moorhouse (213) 23
 Hamamori, Y. see T. Tsuda (208) 39
 Hamasur, B. see B. Norling (223) 309
 Hamasur, B. see E. Glaser (223) 304
 Hamelin, J. see N.G. Seidah (211) 144
 Hammond, G.L., D.A. Underhill, C.L. Smith, I.S. Goping, M.J. Harley, N.A. Musto, C.Y. Cheng and C.W. Bardin, The cDNA-deduced primary structure of human sex hormone-binding globulin and location of its steroid-binding domain (215) 100
 Hammond, S. see B. Birdsall (217) 106
 Hammonds, P., P.N. Schofield and S.J.H. Ashcroft, Glucose regulates preproinsulin messenger RNA levels in a clonal cell line of simian virus 40-transformed B cells (213) 149
 Hammonds, P., P.N. Schofield, S.J.H. Ashcroft, R. Sutton and D.W.R. Gray, Regulation and specificity of glucose-stimulated insulin gene expression in human islets of Langerhans (223) 131
 Hanai, R., A. Suyama and A. Wada, Vestiges of lost introns in the thermal stability map of DNA (226) 247
 Hanauske-Abel, H.M., G. Tschank, V. Günzler, E. Baader and P. Gallop, Pyrroloquinoline quinone and molecules mimicking its functional domains: Modulators of connective tissue formation? (214) 236
 Hane, M. see Y. Shimonishi (215) 165
 Hanley, M.R. see M.J.O. Wakelam (210) 181
 Hanley, M.R. see R.R. Mattingly (223) 11
 Hannah-White, C. see G.W.G. Sharp (221) 309
 Hansen, C.A. see S.K. Joseph (219) 125
 Hansen, H.S. see J.R. Nielsen (218) 93
 Hansen, M.T. see A.J. Moody (212) 302
 Hansen, M.T. see L. Thim (212) 307
 Hansson, G.C. see H. Karlsson (226) 23
 Hara, M. see K. Akiyama (225) 168
 Harada, N. see M. Ohshima (225) 243
 Harder, J. and H. Follmann, Characterization of the free radical in a plant ribonucleotide reductase (222) 171
 Hardesty, B. see W. Kudlicki (215) 16
 Hardie, D.G. see D. Carling (223) 217
 Haritos, A.A., P.P. Yialouris, E.P. Heimer, A.M. Felix and M.A. Rosemeyer, On the molecular size of thymosins (218) 107
 Harley, M.J. see G.L. Hammond (215) 100
 Harlos, K., C.W.G. Boys, S.K. Holland, M.P. Esnouf and C.C.F. Blake, Structure and order of the protein and carbohydrate domains of prothrombin fragment 1 (224) 97
 Harmar, A.J., A. Armstrong, J.C. Pascall, K. Chapman, R. Rosie, A. Curtis, J. Going, C.R.W. Edwards and G. Fink, cDNA sequence of human β -preprotachykinin, the common precursor to substance P and neurokinin A (208) 67
 Harris, B.A. see T. Rall (224) 365
 Harris, N. see J.N. Yarwood (222) 175
 Harrison, T.M. see R.I. Norman (212) 127
 Hartmann, B., J. Ramstein and M. Leng, Slow exchanging protons in the Z-form of G-C and A-C alternating polymers by using a rapid dialysis method (225) 11
 Hartmann, R.K., D.W. Vogel, B. Kröger, N. Ulbrich and V.A. Erdmann, Studies on rDNA from the extreme thermophilic eubacterium *Thermus thermophilus* HB8: The 23 S rDNA region D (218) 215
 Hartshorn, R.T., A.G. Mauk, M.R. Mauk and G.R. Moore, NMR study of the interaction between cytochrome *b₅* and cytochrome *c*: Observation of a ternary complex formed by the two proteins and $[\text{Cr}(\text{en})_3]^{3+}$ (213) 391
 Hartzell, P. see P. Nicotera (209) 139
 Hase, S. see S. Koyama (209) 265
 Hasegawa, T. see I. Maruyama (220) 89
 Hasegawa-Sasaki, H. see T. Sasaki (218) 87
 Hashim, F.A. see J. Furmaniak (215) 316
 Hashimoto, E. see A. Takeda (210) 169
 Hashimoto, S., R. Nakajima, I. Yamazaki, Y. Tatsuno and T. Kitagawa, Oxygen exchange between the $\text{Fe(IV)}=\text{O}$ heme and bulk water for the A_2 isozyme of horseradish peroxidase (208) 305

- Hasselbach, W. and A. Migala, Activation and inhibition of the calcium gate of sarcoplasmic reticulum by high-affinity ryanodine binding (221) 119
- Hassinen, I.E. see T. Kärki (215) 228
- Hassman, C.F. see J.M. Berman (220) 214
- Hata-Tanaka, A., T. Chiba and K. Kakinuma, ESR signals from stimulated and resting porcine blood neutrophils (214) 279
- Hatanaka, M. see E. Takano (208) 199
- Hatanaka, M. see M. Maki (223) 174
- Hattori, T. see M. Shimada (221) 327
- Hauck, M. see E. Romanowska (211) 175
- Haug, B.L., J.T. Sibley and J.S. Lee, Increased synthesis of poly(ADP-ribose) in isolated liver nuclei from autoimmune NZB/NZW mice (215) 252
- Hauptmann, G. see B. Uring-Lambert (217) 65
- Hauptmann, G. see J.A. Schifferli (213) 415
- Hauska, G. see W. Nitschke (213) 453
- Hauska, G. see W. Nitschke (218) 283
- Havinga, J.R., P. Lohse and U. Beisiegel, Immunoblotting and ligand blotting of the low-density lipoprotein receptor of human liver, HepG2 cells and HeLa cells (216) 275
- Havlíček, J. see L. Morávek (208) 435
- Hawrylak, K. and R.A. Stinson, Tetrameric alkaline phosphatase from human liver is converted to dimers by phosphatidylinositol phospholipase C (212) 289
- Hayase, Y. see H. Inoue (215) 327
- Hayashi, H., M.K. Owada, S. Sonobe, T. Kakunaga, H. Kawakatsu and J. Yano, A 32-kDa protein associated with phospholipase A₂-inhibitory activity from human placenta (223) 267
- Hayashi, K. see M. Ohta (222) 79
- Hayashi, K. see S. Inoue (218) 17
- Hayashi, K. see Y. Furukawa (208) 258
- Hayashi, T., S. Yamada, C. Miyaura, H. Tanaka, K. Yamamoto, E. Abe, H. Takayama and T. Suda, Phagocytic cells metabolize 25-hydroxyvitamin D₃ to 10-oxo-19-nor-25-hydroxyvitamin D₃ and a new metabolite, 8 α ,25-dihydroxy-9,10-seco-4,6,10(19)-cholestatrien-3-one (218) 200
- Hayes, M.E., D.J. O'Donoghue, F.W. Ballardie and E.B. Mawer, Peritonitis induces the synthesis of 1 α ,25-dihydroxy-vitamin D₃ in macrophages from CAPD patients (220) 307
- Heber, U. see M.E. Salvucci (221) 215
- Hedén, L.-O. see M. Forsgren (213) 254
- Hederstedt, L., T. Bergman and H. Jörnvall, Processing of *Bacillus subtilis* succinate dehydrogenase and cytochrome *b*-558 polypeptides: Lack of covalently bound flavin in the *Bacillus* enzyme expressed in *Escherichia coli* (213) 385
- Hegde, A.N. and M.R. Das, *ras* proteins enhance the phosphorylation of a 38 kDa protein (p38) in rat liver plasma membrane (217) 74
- Heimer, E.P. see A.A. Haritos (218) 107
- Heinrich, P.C. see T. Andus (221) 18
- Heinrichs, M. and H. Schönert, Identification of different quaternary structures of beef heart cytochrome-*c* oxidase by two-dimensional polyacrylamide gel electrophoresis (223) 255
- Heitz, F. see Y. Trudelle (216) 11
- Heizmann, C.W. see C.P. Schelling (214) 21
- Hekman, M. see A.K. Keenan (217) 287
- Heldt, H.W. see S. Krömer (226) 352
- Helland, D.E., R. Male and K. Kleppe, Separation of damage specific DNA endonuclease activities present in calf thymus (213) 215
- Hellingwerf, K.J. see W. Crielaard (225) 6
- Hemmings, B.A., M. Schwarz, S.R. Adavani and D.A. Jans, Expression cloning of a cDNA encoding the type II regulatory subunit of the cAMP-dependent protein kinase (209) 219
- Hemmings, B.A. see S. Oehen (220) 47
- Hempel, J., J.-O. Höög and H. Jörnvall, Mitochondrial aldehyde dehydrogenase: Homology of putative targeting sequence to that of carbamyl phosphate synthetase I revealed by correlation of cDNA and protein data (222) 95
- Hendy, G.N. see N.G. Seidah (211) 144
- Henly, D.C. see M.N. Berry (224) 201
- Henne, V., A. Piiper and H.-D. Söling, Inositol 1,4,5-trisphosphate and 5'-GTP induce calcium release from different intracellular pools (218) 153
- Henning, U. see G. Ried (223) 387
- Henry, J.-P. see B. Gasnier (222) 215
- Henry, M. see J. Borg (213) 406
- Henschen, A. see E. Töpfer-Petersen (226) 38
- Henseling, J. and K.-H. Röhm, Unusual solvent isotope effects on the aminoacylase-catalyzed hydrolysis of acetylaminic acids (219) 27
- Herbst, D. see H.A. Weich (213) 89
- Herkovitz, J. see N.E. Fink de Cabutti (223) 330
- Herlyn, M. see J. Thurin (208) 17
- Hermann, P. see E. Kojro (212) 83
- Hernell, O. see L. Bläckberg (217) 37
- Herranz, J. see M.A. Jiménez (221) 320
- Herrmann, R.G. see T. Jansen (216) 234
- Herrou, M. see A. Benhaim (223) 321
- Hers, H.-G. see E. Mertens (221) 124
- Hervé, P. see A. Zachowski (223) 315
- Herz, A. see Y. Shimohigashi (222) 71
- Hess, B. see K. Gerwert (213) 39
- Hess, B. see M. Engelhard (222) 275
- Hetherington, A. see M. Dillenschneider (208) 413
- Heymans, F., C.D. Silva, N. Marrec, J.-J. Godfroid and M. Castagna, Alkyl analogs of diacylglycerol as activators of protein kinase C (218) 35
- Hibino, T., S. Izaki and M. Izaki, Purification of epidermal plasminogen activator inhibitor (208) 273
- Hicke, B.J. see J.G. Wise (223) 395
- Hidaka, Y. see Y. Shimonishi (215) 165
- Hietter, H. see J. Borg (213) 406
- Higashida, H. and D.A. Brown, Bradykinin inhibits potassium (M) currents in N1E-115 neuroblastoma cells: Responses resemble those in NG108-15 neuroblastoma \times glioma hybrid cells (220) 302
- Higashida, H. and D.A. Brown, Membrane current responses to intracellular injections of inositol 1,3,4,5-tetrakisphosphate and inositol 1,3,4-trisphosphate in NG108-15 hybrid cells (208) 283
- Higashiyama, H. and F. Tokunaga, Cause of the blue shift of the absorption spectrum of tetranitromethane-treated bacteriorhodopsin (218) 287
- Higgins, C.F. see J.S. Evans (208) 211
- Higuchi, T. see M. Shimada (221) 327
- Higuchi, T. see S. Kawai (210) 61
- Higuchi, T. see T. Umezawa (218) 255
- Higuchi, W. see C. Fukazawa (224) 125
- Hikichi, K. see M. Ikura (219) 17
- Hilditch, P., H. Thomas and L.J. Rogers, Two processes for the breakdown of the Q_B protein of chloroplasts (208) 313
- Hill, H.A.O. see M.J. Green (216) 31
- Hill, R.M. see D.L. Christie (214) 45
- Hiltunen, J.K. see T. Kärki (215) 228
- Hinderer, W. see K. Tiemann (213) 324
- Hinderer, W., U. Flentje and W. Barz, Microsomal isoflavone 2'- and 3'-hydroxylases from chickpea (*Cicer arietinum* L.) cell suspensions induced for pterocarpin phytoalexin formation (214) 101
- Hingorani, V.N. and Y.-K. Ho, A structural model for the α -subunit of transducin: Implications of its role as a molecular switch in the visual signal transduction mechanism (220) 15

- Hinterstoisser, B. and G.A. Peschek, Fluorimetric pH measurement in whole cells of dark aerobic and anaerobic cyanobacteria (217) 169
- Hinuma, Y. see M. Fujii (223) 299
- Hirano, H. see H. Kagawa (226) 145
- Hirano, T. see T. Andus (221) 18
- Hirasawa, M., J.M. Boyer, K.A. Gray, D.J. Davis and D.B. Knaff, The interaction of ferredoxin-linked sulfite reductase with ferredoxin (221) 343
- Hirata, Y., H. Yoshimi, S. Takata, H. Matsubara, Y. Takagi, T. Iida, N. Chino, T.X. Watanabe, T. Kimura and S. Sakakibara, Binding of synthetic β -human atrial natriuretic peptide to cultured rat vascular smooth muscle cells (219) 369
- Hird, S.M., T.A. Dyer and J.C. Gray, The gene for the 10 kDa phosphoprotein of photosystem II is located in chloroplast DNA (209) 181
- Hirose, S. see K. Oda (214) 135
- Hirose, T. see T. Kubo (209) 367
- Hirsch, U. see C.N. Serhan (217) 242
- Hirst, K. see P.W. Piper (220) 177
- Hirst, T.R. see J. Sanchez (208) 194
- Hishida, T. see M. Ueda (203) 31
- Hishinuma, F. see T. Yamakuni (223) 117
- Hitaka, T. see T. Mizutani (226) 227
- Hiwasa, T., S. Yokoyama, J.-M. Ha, S. Noguchi and S. Sakiyama, c-Ha-ras gene products are potent inhibitors of cathepsins B and L (211) 23
- Hiwatashi, A., N. Sakihama, M. Shin and Y. Ichikawa, Heterogeneity of adrenocortical ferredoxin (209) 311
- Hiyama, T., T. Watanabe, M. Kobayashi and M. Nakazato, Interaction of chlorophyll *a'* with the 65 kDa subunit protein of photosystem I reaction center (214) 97
- Ho, C.-L. and J.-L. Ko, Hornetin: the lethal protein of the hornet (*Vespa flavitarsus*) venom (209) 18
- Ho, Y.-K. see V.N. Hingorani (220) 15
- Ho, Y.-S. see J.R. Didsbury (211) 160
- Hock, D. see M. Gagelmann (225) 251
- Hodson, H.F. see J. Dawson (214) 171
- Hodson, H.F. see R.W. Bonser (209) 134
- Hoehn-Berlage, M. see R. Arkowitz (217) 21
- Hofer, E. see E. Pöschl (226) 96
- Hoffbrand, A.V. see B.S. Hall (223) 6
- Hoffbrand, A.V. see R.G. Wickremasinghe (220) 52
- Hoffman, B.M. see J. Telser (214) 117
- Hoffman, E.J. see S.C. Huang (216) 128
- Hoffmann, A. and P. Dimroth, Stereochemistry of the methylmalonyl-CoA decarboxylation reaction (220) 121
- Hofmann, K.P. see K.M.P. Kamps (208) 241
- Höfte, H., S. Buysens, M. Vaeck and J. Leemans, Fusion proteins with both insecticidal and neomycin phosphotransferase II activity (226) 364
- Hogenkamp, H.P.C., H. Follmann and R.K. Thauer, Ribonucleotide reductase in cell extracts of *Methanobacterium thermoautotrophicum* (219) 197
- Höhne, B. see B. Stecher (223) 25
- Höckfelt, T. see T. Miyamoto (216) 123
- Holland, S.K. see K. Harlos (224) 97
- Holloszy, J.O. see A. Klip (224) 224
- Holmes, C.F.B., A new method for the selective isolation of phosphoserine-containing peptides (215) 21
- Holmes, L. see D.A. Spandidos (218) 41
- Holmgren, J. see J. Sanchez (208) 194
- Holmquist, B. see T. Fairwell (222) 99
- Holmsen, H. see O.-B. Tysnes (218) 68
- Holst, J.J., C. Ørskov, O.V. Nielsen and T.W. Schwartz, Truncated glucagon-like peptide I, an insulin-releasing hormone from the distal gut (211) 169
- Holzhöfer, A. see A.K. Keenan (217) 287
- Homan, W., C. Sigon, W. van den Briel, R. Wagter, H. de Nobel, D. Mesland, A. Musgrave and H. van den Ende, Transport of membrane receptors and the mechanics of sexual cell fusion in *Chlamydomonas eugametos* (215) 323
- Homburger, V. see M. Toutant (215) 339
- Homburger, V. see M. Toutant (222) 51
- Homma, M. see D.S. Samuels (209) 231
- Homo, F. see A. Brossi (223) 77
- Honek, J.F. see E.W. Szczepan (211) 239
- Hönes, J., K.-D. Jany, G. Pfeleiderer and A.F.V. Wagner, An integrated prediction of secondary, tertiary and quaternary structure of glucose dehydrogenase (212) 193
- Hong, O. see D. Ukena (215) 203
- Höög, J.-O. see J. Hempel (222) 95
- Hoppe, E.M. see U. Hoppe (208) 26
- Hoppe, J., L. Schumacher, W. Eichner and H.A. Weich, The long 3'-untranslated regions of the PDGF-A and -B mRNAs are only distantly related (223) 243
- Hoppe, J. see H.A. Weich (213) 89
- Hoppe, U., E.M. Hoppe, B.M. Peskar and B.A. Peskar, Radioimmunoassay for leukotriene E_4 : Use for determination of total sulfidopeptide-leukotriene release from rat gastric mucosa (208) 26
- Höppener, J.W.M., P.H. Steenbergh, R.J.C. Slebos, P. de Pagter-Holthuisen, B.A. Roos, M. Jansen, J.L. Van den Brande, J.S. Sussenbach, H.S. Jansz and C.J.M. Lips, Expression of insulin-like growth factor-I and -II genes in rat medullary thyroid carcinoma (215) 122
- Höppener, J.W.M. see P.H. Steenbergh (209) 97
- Hopple, S.L. see M. Bushfield (222) 299
- Horii, A. see N. Tomita (225) 113
- Horimoto, H. see Y. Shimohigashi (222) 251
- Horn, R.S. see S.I. Walaas (220) 311
- Hornby, E.J. see K.S. Authi (213) 95
- Horniak, L., E. Kutejová and P. Balgavý, Effect of phase transitions in hydrated 1,2-dipalmitoylphosphatidylethanolamine bilayers on the spin probe order parameter (224) 283
- Hornig, H. see B. Epe (213) 443
- Horton, P. see K. Oxborough (221) 211
- Horuk, R. see J.J. Huang (223) 294
- Hoshi, M., E. Nishida, Y. Miyata, H. Sakai, T. Miyoshi, H. Ogawara and T. Akiyama, Protein kinase C phosphorylates tau and induces its functional alterations (217) 237
- Hoshijima, M. see T. Tanimoto (226) 291
- Hossenlopp, P., D. Seurin, B. Segovia-Quinson and M. Binoux, Identification of an insulin-like growth factor-binding protein in human cerebrospinal fluid with a selective affinity for IGF-II (208) 439
- Hostikka, S.L. and K. Tryggvason, Extensive structural differences between genes for the α_1 and α_2 chains of type IV collagen despite conservation of coding sequences (224) 297
- Hostikka, S.L., M. Kurkinen and K. Tryggvason, Nucleotide sequence coding for the human type IV collagen α_2 chain cDNA reveals extensive homology with the NC-1 domain of α_1 (IV) but not with the collagenous domain or 3'-untranslated region (216) 281
- Hottiger, T., T. Boller and A. Wiemken, Rapid changes of heat and desiccation tolerance correlated with changes of trehalose content in *Saccharomyces cerevisiae* cells subjected to temperature shifts (220) 113
- Hough, D.W. see L.D. Smith (225) 277
- Houslay, M.D. see D. Gawler (216) 94
- Houslay, M.D. see F. Irvine (208) 455
- Houslay, M.D. see R.M. O'Brien (212) 281
- Houslay, M.D. see R.M. O'Brien (217) 253
- Houston, K. see O.D. Rotstein (215) 223
- Houston, M.E., M.D. Lingley, D.S. Stuart and R.W. Grange, Myosin light chain phosphorylation in intact human muscle (219) 469

- Houwing, C.J. and E.M.J. Jaspars, Coat protein blocks the in vitro transcription of the virion RNAs of alfalfa mosaic virus (209) 284
- Houwing, C.J. and E.M.J. Jaspars, In vitro evidence that the coat protein is the programming factor in alfalfa mosaic virus-induced RNA synthesis (221) 337
- Howe, C.J. see P. Nicholson (221) 110
- Howe, P.H. and A.A. Abdel-Latif, Phorbol ester-induced protein phosphorylation and contraction in sphincter smooth muscle of rabbit iris (215) 279
- Howell, B.A. see D.P. Ringer (224) 59
- Howell, S.L. see P.M. Jones (219) 139
- Howells, R.D. see J. Furmaniak (215) 316
- Howland, R.J. and A.D. Benning, Differential effects of noradrenaline and glucagon on lipolysis and fatty-acid utilization in brown adipose tissue (208) 128
- Hozumi, N. see W.S. Trimble (219) 70
- Hsi, K.L. see Y.X. Zhu (208) 253
- Hsu, B.-D., W.-J. Lin, J.-Y. Lee and R.L. Pan, Evidence for structural distinction between PS II_z and PS II_β reaction centers (217) 53
- Hsu, S.-Y., T. Nouni, M. Takeyama, M. Maeda, S. Ishibashi and M. Futai, β -Subunit of *Escherichia coli* F₁-ATPase: An amino acid replacement within a conserved sequence (G-X-X-X-G-K-T/S) of nucleotide-binding proteins (218) 222
- Hsu, Y.C., D.P. Bloxham and I.G. Giles, Phosphorylation of type-L pyruvate kinase in intact hepatocytes: Localisation of the phosphorylation site in response to both glucagon and the Ca²⁺-linked agonist phenylephrine (218) 1
- Huang, J.J., R.C. Newton, R. Horuk, J.B. Matthew, M. Covington, K. Pezzella and Y. Lin, Muteins of human interleukin-1 that show enhanced bioactivities (223) 294
- Huang, J.-K. see C.-S. Wang (222) 135
- Huang, S.C., B.A. Williams, J.R. Barrio, J. Krivokapich, C. Nissenson, E.J. Hoffman and M.E. Phelps, Measurement of glucose and 2-deoxy-2-[¹⁸F]fluoro-D-glucose transport and phosphorylation rates in myocardium using dual-tracer kinetic experiments (216) 128
- Hubbard, J.A.M. see R.W. Mansfield (220) 74
- Huber, M. and K. Lerch, The influence of copper on the induction of tyrosinase and laccase in *Neurospora crassa* (219) 335
- Huber, S.C. see G.H. Walker (213) 375
- Hucho, F., H. Krüger, I. Pribilla and U. Oberdieck, A 40 kDa inhibitor of protein kinase C purified from bovine brain (211) 207
- Huck, S. and M.-P. Lefranc, Rearrangements to the JP1, JP and JP2 segments in the human T-cell rearranging gamma gene (TRG γ) locus (224) 291
- Huck, S., G. Keyeux, N. Ghanem, M.-P. Lefranc and G. Lefranc, A gamma 3 hinge region probe: first specific human immunoglobulin subclass probe (208) 221
- Hue, L. see M.I. Darville (224) 317
- Hufford, C.D. see A. Brossi (223) 77
- Huggins, J.P. and P.J. England, Evidence for a phosphorylation-induced conformational change in phospholamban from the effects of three proteases (217) 32
- Hughes, G.J. see B. Roth (221) 172
- Hughes, J. see W.W.Y. Lo (220) 155
- Hughes, J. see W.W.Y. Lo (220) 327
- Hughes, J. see W.W.Y. Lo (224) 1
- Hughes, J. see W.W.Y. Lo (226) 67
- Hughes, W.A. see S. Gilroy (212) 133
- Hui, S.-W. see R.M. Epand (209) 257
- Hunt, J.E. see T.J. Michalski (226) 72
- Hunter, C.N. see M.K. Ashby (213) 245
- Hunter, C.N. see P.J. Nixon (209) 83

- Hunyady, L., B. Sarkadi, E.J. Cragoe, jr, A. Spät and G. Gárdos, Activation of sodium-proton exchange is not a prerequisite for Ca²⁺ mobilization and aggregation in human platelets (225) 72
- Hunziker, W. see G. Sebastio (208) 460
- Hurst, N.P. see J.K. French (212) 242
- Huss, S. see P.F. Torrence (212) 267
- Hussein, A. see B. Leighton (225) 93
- Huston, G.E. see S. Patton (216) 151
- Husztli, Z. and E. Tyihak, Formation of formaldehyde from S-adenosyl-L-[methyl-³H]methionine during enzymic transmethylation of histamine (209) 362
- Huynh-Dinh, T. see G. Bloch (219) 464

I

- Iadarola, P. see M. Galliano (208) 364
- Ibeanu, G.C. see L.L. Muldrow (213) 249
- Ichihara, A. see T. Nakamura (224) 311
- Ichihara, C. see M. Yamazaki (208) 147
- Ichikawa, Y. see A. Hiwatashi (209) 3
- Ichimura, T., T. Isobe, T. Okuyama, T. Yamauchi and H. Fujisawa, Brain 14-3-3 protein is an activator protein that activates tryptophan 5-monooxygenase and tyrosine 3-monooxygenase in the presence of Ca²⁺, calmodulin-dependent protein kinase II (219) 79
- Ichiyama, A. see T. Kubo (209) 367
- Ido, M., K. Sekiguchi, U. Kikkawa and Y. Nishizuka, Phosphorylation of the EGF receptor from A431 epidermoid carcinoma cells by three distinct types of protein kinase C (219) 215
- Igarashi, K. see T. Kurokawa (213) 189
- Igarashi, K. see U. Kikkawa (217) 227
- Igarashi, K. see U. Kikkawa (223) 212
- Igarashi, K. see Y. Ono (226) 125
- Iglesias, A.A. see C.S. Andreo (213) 1
- Iida, T. see Y. Hirata (219) 369
- IJzerman, A.P. see P.J.M. van Galen (223) 197
- Ikeda, F. see Y. Furukawa (208) 258
- Ikeda, K. see S. Inoue (218) 17
- Ikeda-Saito, M. and T. Inubushi, Proton magnetic resonance of the bovine spleen green heme-protein (214) 111
- Ikegami, S. see N. Tsuchimori (218) 205
- Ikehara, Y. see K. Oda (214) 135
- Ikenaka, T. see S. Koyama (209) 265
- Ikeuchi, M. and Y. Inoue, Specific ¹²⁵I labeling of D1 (herbicide-binding protein): An indication that D1 functions on both the donor and acceptor sides of photosystem II (210) 71
- Ikeyama, S., Purification and characterization of a recombinant human IgE Fc ϵ fragment lacking the C4 domain (224) 306
- Ikezawa, H. see R. Taguchi (225) 273
- Ikura, M., O. Minowa, M. Yazawa, K. Yagi and K. Hikichi, Sequence-specific assignments of downfield-shifted amide proton resonances of calmodulin: Use of two-dimensional NMR analysis of its tryptic fragments (219) 17
- Imahori, K. see S. Imajoh (215) 274
- Imaizumi, M. see M. Tanokura (209) 77

- Imajoh, S., H. Kawasaki, Y. Emori, S. Ishiura, Y. Minami, H. Sugita, K. Imahori and K. Suzuki, A fragment of an endogenous inhibitor produced in *Escherichia coli* for calcium-activated neutral protease (CANP) retains an inhibitory activity (215) 274
- Imajoh, S. see K. Ishidoh (223) 69
- Imajoh, S. see K. Ishidoh (226) 33
- Imajoh, S. see K. Suzuki (220) 271
- Imamura, A. see H. Toh (219) 279
- Imazu, S. see Y. Shimohigashi (222) 251
- Imbach, J.-L. see P.F. Torrence (212) 267
- Imura, H. see Y. Seino (223) 74
- Inagaki, F., C. Kodama, M. Suzuki and A. Suzuki, Analysis of NMR spectra of sugar chains of glycolipids by 1D homonuclear Hartmann-Hahn and NOE experiments (219) 45
- Inagaki, F., D. Kohda, C. Kodama and A. Suzuki, Analysis of NMR spectra of sugar chains of glycolipids by multiple relayed COSY and 2D homonuclear Hartmann-Hahn spectroscopy (212) 91
- Inagaki, N. see Y. Seino (223) 74
- Inagami, T. see H. Kurose (219) 375
- Inesi, G. see C. Sumbilla (210) 31
- Inestrosa, N.C. see E. Brandan (213) 159
- Infante, J.P., De novo CDP-choline-dependent glycerophosphorylcholine synthesis and its involvement as an intermediate in phosphatidylcholine synthesis (214) 149
- Inge-Vechtomov, S.G. see V.V. Kushnirov (215) 257
- Ingold, K.U. see K.H. Cheeseman (209) 191
- Inoue, H. see Y. Kubota (212) 159
- Inoue, H., Y. Hayase, S. Iwai and E. Ohtsuka, Sequence-dependent hydrolysis of RNA using modified oligonucleotide splints and RNase H (215) 327
- Inoue, J., M. Seiki and M. Yoshida, The second pX product p27^{src-III} of HTLV-I is required for gag gene expression (209) 187
- Inoue, M. see M. Doi (213) 265
- Inoue, S., K. Ohkura, K. Ikeda and K. Hayashi, Amino acid sequence of a cytotoxin-like basic protein with low cytotoxic activity from the venom of the Thailand cobra *Naja naja siamensis* (218) 17
- Inoue, T. see T. Gojobori (208) 231
- Inoue, Y. see I. Vass (211) 215
- Inoue, Y. see M. Ikeuchi (210) 71
- Inouye, M. see J.-M. Bolla (224) 213
- Inubushi, T. see M. Ikeda-Saito (214) 111
- Inui, T. see A. Kawamori (217) 134
- Ireland, C.M. and B.W. Stewart, DNA-mediated gene transfer as an indicator of DNA damage and its repair by recipient cells (212) 173
- Irvine, F., N.J. Pyne and M.D. Houslay, The phorbol ester TPA inhibits cyclic AMP phosphodiesterase activity in intact hepatocytes (208) 455
- Irvine, R.F. see L.G.J. Tertoolen (214) 365
- Ischenko, K.A. see Yu.A. Ovchinnikov (223) 169
- Ishibashi, S. see S.-Y. Hsu (218) 222
- Ishibashi, T. see Y. Kuroda (224) 137
- Ishida, T. see M. Doi (213) 265
- Ishidoh, K., S. Imajoh, Y. Emori, S. Ohno, H. Kawasaki, Y. Minami, E. Kominami, N. Katunuma and K. Suzuki, Molecular cloning and sequencing of cDNA for rat cathepsin H: Homology in pro-peptide regions of cysteine proteinases (226) 33
- Ishidoh, K., T. Towatari, S. Imajoh, H. Kawasaki, E. Kominami, N. Katunuma and K. Suzuki, Molecular cloning and sequencing of cDNA for rat cathepsin L (223) 69
- Ishihara, H. and K. Shimura, Further evidence for the presence of a thiazoline ring in the isoleucylcysteine dipeptide intermediate in bacitracin biosynthesis (226) 319
- Ishimatsu, Y. see N. Sakai (222) 341
- Ishino, F. see M.D. Song (221) 167
- Ishiura, S. see S. Imajoh (215) 274
- Ishiura, S., T. Yoshimoto and C.A. Vilee, ATP-dependent proteolysis, a fine system or a meaningless one? A reply (215) 195
- Ishizaki, H. see H. Jhoti (219) 419
- Isobe, T. see T. Ichimura (219) 79
- Isobe, T., Y.-I. Fang, D. Muno, T. Okuyama, D. Ohmori and F. Yamakura, Amino acid sequence of iron-superoxide dismutase from *Pseudomonas ovalis* (223) 92
- Isogai, Y., Yasuji Yamamoto, Yasuyuki Yamamoto and M. Nishimura, Isolation of photosystem II reaction center complex by affinity chromatography with the peripheral 33-kDa polypeptide as ligand (224) 71
- Israelsson, M. see M. Forsgren (213) 254
- Itami, M., T. Kuroki and K. Nose, Induction of *c-fos* proto-oncogene by a chemotactic peptide in human peripheral granulocytes (222) 289
- Ito, E. see N. Murazumi (218) 131
- Itoh, K., K. Ueno and S. Natori, Counteraction by 20-hydroxycyclohexanone of the effect of juvenile hormone on phosphorylation of ribosomal protein S6 (213) 85
- Itoh, S. see Y. Kuwana (219) 360
- Itoh, T., I. Yamashita and S. Fukui, Nucleotide sequence of the α -amylase gene (ALP1) in the yeast *Saccharomycopsis fibuligera* (219) 339
- Ivanov, I., L. Gigova and E. Jay, Chemical synthesis and expression in *E. coli* of a human Val¹⁸-calcitonin gene by fusion to a synthetic human interferon- γ gene (210) 56
- Ivanov, P.L. see S.A. Limborska (212) 208
- Ivanov, V.T. see A.S. Arseniev (213) 283
- Ivanova, A.N. see B.N. Goldstein (217) 212
- Ivanovienė, L. see B. Kholodenko (223) 247
- Ivell, R. see S. Fehr (210) 45
- Iwabuchi, M. see K. Mikami (223) 273
- Iwai, M. and K. Jungermann, Possible involvement of eicosanoids in the actions of sympathetic hepatic nerves on carbohydrate metabolism and hemodynamics in perfused rat liver (221) 155
- Iwai, S. see H. Inoue (215) 327
- Iwamori, M. see N. Rodrig (221) 315
- Iwanaga, S. see K. Akiyama (225) 168
- Iwane, M. see T. Kurokawa (213) 189
- Izaki, M. see T. Hibino (208) 273
- Izaki, S. see T. Hibino (208) 273
- Izard, J. see G. Landemore (209) 29
- Izumi, T. see S. Kitamura (213) 169
- Izumiya, N. see S. Ono (220) 332
- Izumiya, N. see Y. Shimohigashi (222) 251

J

- Jackson, A.P., M.P. Timmerman, C.R. Bagshaw and C.C. Ashley, The kinetics of calcium binding to fura-2 and indo-1 (216) 35
- Jackson, J.B. see N.P.J. Cotton (219) 88
- Jackson, J.B. see W. Crielgaard (225) 6
- Jackson, M.R. see R.B. Corser (213) 448

- Jackson, W.J., P.J. Kiley, C.E. Haith, S. Kaplan and R.C. Prince, On the role of the light-harvesting B880 in the correct insertion of the reaction center of *Rhodobacter capsulatus* and *Rhodobacter sphaeroides* (215) 171
- Jacobson, A.E. see B. DeCosta (223) 335
- Jacobson, A.E. see D.J.J. Carr (224) 272
- Jacobson, K.A., J. Zimmet, R. Schulick, S. Barone, J.W. Daly and K.L. Kirk, Adenosine analogs with covalently attached lipids have enhanced potency at A₁-adenosine receptors (225) 97
- Jacobson, K.A. see D. Ukena (209) 122
- Jacobsson, A., B. Cannon and J. Nedergaard, Physiological activation of brown adipose tissue destabilizes thermogenin mRNA (224) 353
- Jacquemin, J.-M. see G. Lenzen (219) 254
- Jacquot, J.-P. and P. Decottignies, Further evidence for a role of sulfhydryls in the thioredoxin dependent activation of corn NADP-malate dehydrogenase: Use of a cysteine free mutant of *E. coli* thioredoxin (209) 87
- Jacquot, R. see P. Mayeux (211) 229
- Jaenicke, L. see R. Günther (221) 293
- Jahagirdar, A.P., G. Milton, T. Viswanatha and R.G.H. Downer, Calcium involvement in mediating the action of octopamine and hypertrehalosemic peptides on insect haemocytes (219) 83
- Jähnig, F., R. Bülow, T. Baltz and P. Overath, Secondary structure of the variant surface glycoproteins of trypanosomes (221) 37
- Jähnig, F. see I. Riede (215) 145
- Jainazarov, A.B. see S.S. Kolesnikov (222) 37
- Jakobs, K.H. see P. Gierschik (224) 219
- Jalalpour, S. see I. Dodd (209) 13
- Jallat, S. see L.-H. Tessier (208) 183
- Jamall, I.S., Differential effects of cadmium on cytosolic and mitochondrial glutathione levels in the rat heart (214) 62
- Jamall, I.S. see T.W. Simmons (218) 251
- Jamaluddin, M.P. see L.K. Krishnan (212) 213
- James, K. see J. Simpson (217) 62
- Janković, V. see S. Suzić (216) 287
- Jänne, J. see P. Leinonen (215) 68
- Jänne, O.A. see P. Leinonen (215) 68
- Jans, D.A. see B.A. Hemmings (209) 219
- Jans, D.A. see S. Oehen (220) 47
- Jansen, M. see J.W.M. Höppener (215) 122
- Jansen, M. see P. de Pagter-Holthuis (214) 259
- Jansen, T., C. Rother, J. Steppuhn, H. Reinke, K. Beyrcuther, C. Jansson, B. Andersson and R.G. Herrmann, Nucleotide sequence of cDNA clones encoding the complete '23 kDa' and '16 kDa' precursor proteins associated with the photosynthetic oxygen-evolving complex from spinach (216) 234
- Jansson, C. see T. Jansen (216) 234
- Jansz, H.S. see J.W.M. Höppener (215) 122
- Jansz, H.S. see P.D. Baas (218) 119
- Jansz, H.S. see P.H. Steenbergh (209) 97
- Jantscheff, P. see R. Grosse (210) 123
- Jany, K.-D. see J. Hönes (212) 193
- Jarett, L. see E.H.A. Wong (213) 419
- Jarett, L. see K.L. Kelly (209) 238
- Jaspars, E.M.J. see C.J. Houwing (209) 284
- Jaspars, E.M.J. see C.J. Houwing (221) 337
- Jaubert, J. see F. Baklouti (223) 59
- Jay, E. see I. Ivanov (210) 56
- Jeffery, W.A. see E.J. Wawrzynczak (219) 51
- Jeffrey, F.M.H. see C.R. Malloy (212) 58
- Jenkins, G.I. see L.K. Barnett (224) 287
- Jennings, P.R. see P.J. Wise (222) 17
- Jensen, B. see J.R. Nielsen (218) 93
- Jensen, L.H. see L.C. Sieker (208) 73
- Jensen, L.H. see L.C. Sieker (209) 261
- Jensen, R.A. see S. Ahmad (216) 133
- Jeremy, J. see B. Pearce (211) 73
- Jergil, B. see P.-M. Melin (223) 87
- Jczek, P., Sulfhydryl groups are involved in H⁺ translocation via the uncoupling protein of brown adipose tissue mitochondria (211) 89
- Jhoti, H., A.N. McLeod, T.L. Blundell, H. Ishizaki, H. Nagasawa and A. Suzuki, Prothoracicotrophic hormone has an insulin-like tertiary structure (219) 419
- Ji, L.L., F.W. Stratman and H.A. Lardy, Chronic exercise training alters kinetic properties of rat skeletal muscle and myocardial lactate dehydrogenase (208) 297
- Jiménez, M.A., J.L. Nieto, J. Herranz, M. Rico and J. Santoro, ¹H NMR and CD evidence of the folding of the isolated ribonuclease 50–61 fragment (221) 320
- Jin, Y. and R.R. Crichton, Iron transfer from ferritin to transferrin: Effect of serum factors (215) 41
- Jincharadze, A.G. see S.A. Limborska (212) 208
- Joffre, M. see P. Duchatelle (217) 11
- Johanningmeier, U., U. Bodner and G.F. Wildner, A new mutation in the gene coding for the herbicide-binding protein in *Chlamydomonas* (211) 221
- Johansen, H.R. see T. Lund (208) 369
- John, A. see G. Theiss (218) 159
- Johnson, J. see L.L. Muldrow (213) 249
- Johnson, M.K., J.E. Morningstar, M. Oliver, and F.E. Frerman, Electron paramagnetic resonance and magnetic circular dichroism studies of electron-transfer flavoprotein-ubiquinone oxidoreductase from pig liver (226) 129
- Jollès, P. see J. Berthou (218) 55
- Jondal, M. see C. Nordstedt (220) 57
- Jones, P.M., J.M. Fyles, S.J. Persaud and S.L. Howell, Catecholamine inhibition of Ca²⁺-induced insulin secretion from electrically permeabilised islets of Langerhans (219) 139
- Jongejan, J.A. see R.A. van der Meer (221) 299
- Jordan, K.N. see R.S. Hale (224) 133
- Jordan, L. see A.J. Aarsman (219) 176
- Jordan, P.M. and M.J. Warren, Evidence for a dipyrromethane cofactor at the catalytic site of *E. coli* porphobilinogen deaminase (225) 87
- Jordan, R.E. see S.O. Brennan (219) 431
- Jørgensen, P.L. see D.A. Klærke (216) 211
- Jörnvall, H. see J. Hempel (222) 95
- Jörnvall, H. see L. Blomqvist (211) 127
- Jörnvall, H. see L. Hederstedt (213) 385
- Jörnvall, H. see O.U. Beg (216) 270
- Jörnvall, H. see T. Fairwell (222) 99
- Jörnvall, H. see Z. Chen (226) 43
- Joseph, S.K., C.A. Hansen and J.R. Williamson, Inositol 1,3,4,5-tetrakisphosphate increases the duration of the inositol 1,4,5-trisphosphate-mediated Ca²⁺ transient (219) 125
- Joseph, S.K. see C.V. Nicchitta (209) 243
- Joshi, R.L., H.G. Faulhammer, A.L. Haenni and M. Sprinzl, Fluorescence labeling of an aminoacyl-tRNA at the 3'-end and its interaction with elongation factor Tu-GTP (208) 189
- Joshi, R.L. see H.G. Faulhammer (217) 203
- Joubert, R. see N.E. Fink de Cabutti (223) 330
- Jovin, T.M. see D.M. Soumpasis (213) 341
- Joyard, J. see J. Covès (208) 401
- Joziase, D.H., H.C.M. Damen, M. de Jong-Brink, H.T. Edzes and D.H. Van den Eijnden, Identification of a UDP-Gal:β-galactoside β1→3-galactosyltransferase in the albumen gland of the snail *Lymnaea stagnalis* (221) 139
- Judah, J.D. see R.C. Foreman (219) 75
- Juliá, P. see T. Fairwell (222) 99
- Jullienne, A. see S. Minvielle (223) 63

- Junge, W. see S. Engelbrecht (219) 321
 Jungermann, K. see B. Christ (221) 375
 Jungermann, K. see G.P. Püschel (219) 145
 Jungermann, K. see H. Bartels (221) 277
 Jungermann, K. see M. Iwai (221) 155

K

- Kabakov, A.E. see M.A. Glukhova (218) 292
 Kader, J.C. see A. Oursel (219) 393
 Kadiri, C. see J. Masliah (222) 11
 Kador, P. see D. Carper (220) 209
 Kagawa, H., F. Yamauchi and H. Hirano, Soybean basic 7 S globulin represents a protein widely distributed in legume species (226) 145
 Kagawa, Y. see S. Ohta (226) 171
 Kagramanova, V.K. see A.S. Mankin (219) 269
 Kähäri, V.-M., P. Multimäki and E. Vuorio, Elevated pro α 2(I) collagen mRNA levels in cultured scleroderma fibroblasts result from an increased transcription rate of the corresponding gene (215) 331
 Kahn, R. see J. Falloon (209) 352
 Kai, H., H. Kanaide, T. Matsumoto and M. Nakamura, 8-Bromoguanosine 3':5'-cyclic monophosphate decreases intracellular free calcium concentrations in cultured vascular smooth muscle cells from rat aorta (221) 284
 Kai, H., H. Kanaide, T. Matsumoto, Y. Shogakiuchi and M. Nakamura, Adenosine decreases intracellular free calcium concentrations in cultured vascular smooth muscle cells from rat aorta (212) 119
 Kaiho, S. see J. Abe (226) 58
 Kaise, N. see T. Nakamura (224) 311
 Kaiser, R. see T. Fairwell (222) 99
 Kakei, M., R.P. Kelly, S.J.H. Ashcroft and F.M. Ashcroft, The ATP-sensitivity of K⁺ channels in rat pancreatic B-cells is modulated by ADP (208) 63
 Kakei, M. see F.M. Ashcroft (215) 9
 Kakinuma, K. see A. Hata-Tanaka (214) 279
 Kakinuma, K. see A. Tomoda (219) 472
 Kakol, I. see D. Szcześna (210) 177
 Kakol, I. see Yu.S. Borovikov (223) 409
 Kakunaga, T. see H. Hayashi (223) 267
 Kalderon, B., A. Gopher and A. Lapidot, A quantitative analysis of the metabolic pathways of hepatic glucose synthesis in vivo with ¹³C-labeled substrates (213) 209
 Kalderon, B., A. Gopher and A. Lapidot, Can two intramitochondrial oxaloacetate pools unravel the dispute? A reply to Katz (220) 259
 Kalia, A. see K. Gopalakrishna (215) 95
 Kaller, D. see E.W. Szczepan (211) 239
 Kambouris, A.M. see P.D. Roach (222) 159
 Kamerling, J.P. see J.A. van Kuik (221) 150
 Kamihara, T. see Y. Uejima (214) 127
 Kamoun, P.P., E. Schneider and M. Dy, Superoxide-induced deimination of arginine in hematopoietic cells (226) 285
 Kampf, K. see W.B. Macklin (223) 417
 Kamps, K.M.P. and K.P. Hofmann, ATP can promote activation and deactivation of the rod cGMP-phosphodiesterase: Kinetic light scattering on intact rod outer segments (208) 241
 Kanai, R. see J.-I. Ohnishi (219) 347
 Kanaide, H. see H. Kai (212) 119
 Kanaide, H. see H. Kai (221) 284
 Kanaide, H., Y. Shogakiuchi and M. Nakamura, The norepinephrine-sensitive Ca²⁺-storage site differs from the caffeine-sensitive site in vascular smooth muscle of the rat aorta (214) 130
 Kanaoka, Y. see H. Nakayama (208) 278
 Kanda, K. see H. Toh (219) 279
 Kang, M.S. see M. Ohara (213) 261
 Kangawa, K. see T. Kubo (209) 367
 Kannagi, R. see E. Takano (208) 199
 Kano-Murakami, Y. see M. Ohshima (225) 243
 Kantor, C. see M. Patarroyo (210) 127
 Kao, Y.S. see Y.X. Zhu (208) 253
 Kaplan, S. see W.J. Jackson (215) 171
 Kapral, M.K. see G.A. Woolley (224) 337
 Kaptein, R. see J.A.W.H. Vermeulen (219) 426
 Karasik, G.I. see N.M. Matveeva (217) 42
 Kärkel, H.-J., J. Stahl, B. Gross, S. Knespel, H. Bielka and M. Saarma, Studies on interaction of 5 S RNA with ribosomal proteins (220) 126
 Kariya, K. and Y. Takai, Distinct functions of down-regulation-sensitive and -resistant types of protein kinase C in rabbit aortic smooth muscle cells (219) 119
 Kariya, K. see E. Lee (209) 49
 Kariya, K., Y. Fukumoto, T. Tsuda, Y. Kawahara, H. Fukuzaki, T. Yamamoto and Y. Takai, Inhibition of DNA synthesis by phorbol esters through protein kinase C in cultured rabbit aortic smooth muscle cells (217) 69
 Kärki, T., E. Hakkola, I.E. Hassinen and J.K. Hiltunen, β -oxidation of polyunsaturated fatty acids in peroxisomes: Subcellular distribution of Δ^3, Δ^2 -enoyl-CoA isomerase activity in rat liver (215) 228
 Karlsson, H., I. Carlstedt and G.C. Hansson, Rapid characterization of mucin oligosaccharides from rat small intestine with gas chromatography-mass spectrometry (226) 23
 Karlsson, I.-M. see Å. Strid (224) 348
 Karplus, M. see G.M. Clore (213) 269
 Kasinsky, H.F. see M. Chiva (215) 237
 Kass, G.E.N. see G.A. Moore (224) 331
 Kasuga, M. see K. Tobe (215) 345
 Katada, T., M. Oinuma, K. Kusakabe and M. Ui, A new GTP-binding protein in brain tissues serving as the specific substrate of islet-activating protein, pertussis toxin (213) 353
 Katial, A. see T. van Veen (208) 133
 Kato, A. see M. Ohshima (225) 243
 Kato, R. see N. Sasakawa (223) 413
 Kato, T. see S. Ono (220) 332
 Kato, T. see Y. Shimohigashi (222) 251
 Katoh, S. see I. Enami (226) 161
 Katsaros, D., G. Tortora, P. Tagliaferri, T. Clair, S. Ally, L. Neckers, R.K. Robins and Y.S. Cho-Chung, Site-selective cyclic AMP analogs provide a new approach in the control of cancer cell growth (223) 97
 Katsura, N. see S. Oshiro (220) 383
 Kattelman, E.J., S.K. Arora, C.T. Lim, D.L. Venton and G.C. Le Breton, A photoaffinity label for the thromboxane A₂/prostaglandin H₂ receptor in human blood platelets (213) 179
 Katunuma, N. see H. Kido (223) 223
 Katunuma, N. see K. Ishidoh (223) 69
 Katunuma, N. see K. Ishidoh (226) 33
 Katz, J., 'A quantitative analysis of the metabolic pathways of hepatic glucose synthesis in vivo with ¹³C-labeled substrates' by B. Kalderon, A. Gopher and A. Lapidot [(1987) FEBS Lett. 213, 209-214] (220) 257
 Katz, J.J. see T.J. Michalski (226) 72

- Katz, L.A., A.P. Koretsky and R.S. Balaban, Respiratory control in the glucose perfused heart: A ^{31}P NMR and NADH fluorescence study (221) 270
- Kaul, R., D. Saluja and R.C. Sachar, Phosphorylation of small subunit plays a crucial role in the regulation of RuBPCase in moss and spinach (209) 63
- Kaulen, A.D. see L.A. Drachev (209) 316
- Kaulen, A.D. see L.A. Drachev (226) 139
- Kawaguchi, H. and H. Yasuda, Effects of platelet-activating factor on conversion of angiotensin I to II (221) 305
- Kawahara, Y. see K. Kariya (217) 69
- Kawai, S., T. Umezawa and T. Higuchi, *p*-Benzoquinone monoketals, novel degradation products of β -O-4 lignin model compounds by *Coriolus versicolor* and lignin peroxidase of *Phanerochaete chrysosporium* (210) 61
- Kawakatsu, H. see H. Hayashi (223) 267
- Kawamori, A., J. Satoh, T. Inui and K. Satoh, EPR study of charge equilibrium at low temperatures in the S_2 state of oxygen evolving photosystem II particles (217) 134
- Kawamura, M. see S. Noguchi (225) 27
- Kawasaki, H. see K. Ishidoh (223) 69
- Kawasaki, H. see K. Ishidoh (226) 33
- Kawasaki, H. see K. Suzuki (220) 271
- Kawasaki, H. see S. Imajoh (215) 274
- Kawasaki, K. see A. Tomoda (219) 472
- Kawasaki, T. see A. Kurosaka (215) 137
- Kawase, M. see R. Taguchi (225) 273
- Kawata, M. see T. Tanimoto (226) 291
- Kawata, T. see K. Mikami (223) 273
- Kay, C.M. see I.K.M. Leung (214) 35
- Kayano, T. see Y. Seino (223) 74
- Kebabian, J.W. see T. Yamamoto (219) 326
- Keen, J.N. see A. Cavaggioni (212) 225
- Keenan, A.K., D. Cooney, A. Holzhofer, C. Dees and M. Hekman, Unimpaired coupling of phosphorylated, desensitized β -adrenoceptor to G_i in a reconstitution system (217) 287
- Keleti, T., Two rules of enzyme kinetics for reversible Michaelis-Menten mechanisms (208) 109
- Keller, B.U. see M. Criado (224) 172
- Kellie, S. and N.M. Wigglesworth, The cytoskeletal protein vinculin is acylated by myristic acid (213) 428
- Kelly, K., B.N. Rospendowski, W.E. Smith and C.R. Wolf, Surface enhanced resonance Raman scattering as a probe of the spin state of structurally related cytochromes P-450 from rat liver (222) 120
- Kelly, K.L., J.M. Mato and L. Jarett, The polar head group of a novel insulin-sensitive glycopospholipid mimics insulin action on phospholipid methyltransferase (209) 238
- Kelly, R.P. see F.M. Ashcroft (215) 9
- Kelly, R.P. see M. Kakei (208) 63
- Kemp, B.E. see W. Kudlicki (215) 16
- Kennedy, W.P.K. see P.G. Penketh (221) 427
- Kerlavage, A.R. see F.-Z. Chung (211) 200
- Keso, L., M. Lukka, C. Ehnholm, M. Baumann, P. Vihko and M. Olkinuora, Apolipoprotein A-I-binding protein from human term placenta: Purification and partial characterization (215) 105
- Kesvatera, T. see V. Tóugu (225) 77
- Keyeux, G. see S. Huck (208) 221
- Khamis, M.I., J.R. Casas-Finet, A.H. Maki, J.B. Murphy and J.W. Chase, Role of tryptophan 54 in the binding of *E. coli* single-stranded DNA-binding protein to single-stranded polynucleotides (211) 155
- Khamis, M.I. see J.R. Casas-Finet (220) 347
- Khlebodarova, T.M. see N.M. Matveeva (217) 42
- Khodjaev, E.Yu. see B.V. Chernyak (215) 300
- Khoja, S.M., Effects of female sex hormones on the activity of serum hyaluronidase (226) 220
- Kholodenko, B., V. Žilinskienė, V. Borutaitė, L. Ivanovienė, A. Toleikis and A. Praškevičius, The role of adenine nucleotide translocators in regulation of oxidative phosphorylation in heart mitochondria (223) 247
- Khrantsov, N.V. see Yu.A. Ovchinnikov (223) 169
- Kido, H., N. Fukusen and N. Katunuma, Epidermal growth factor as a new regulator of induction of tyrosine aminotransferase and tryptophan oxygenase by glucocorticoids (223) 223
- Kiesel, L., G.L. Lukács, I. Eberhardt, B. Runnebaum and A. Spät, Effect of inositol 1,4,5-trisphosphate and GTP on calcium release from pituitary microsomes (217) 85
- Kijatkin, N.I. see E.D. Sverdlov (217) 275
- Kikkawa, U., K. Ogita, Y. Ono, Y. Asaoka, M.S. Shearman, T. Fujii, K. Ase, K. Sekiguchi, K. Igarashi and Y. Nishizuka, The common structure and activities of four subspecies of rat brain protein kinase C family (223) 212
- Kikkawa, U. see M. Ido (219) 215
- Kikkawa, U. see Y. Ono (226) 125
- Kikkawa, U., Y. Ono, K. Ogita, T. Fujii, Y. Asaoka, K. Sekiguchi, Y. Kosaka, K. Igarashi and Y. Nishizuka, Identification of the structures of multiple subspecies of protein kinase C expressed in rat brain (217) 227
- Kikuchi, S. see F. Takaiwa (221) 43
- Kilburn, D.G. see M.L. Langsford (225) 163
- Kiley, P.J. see W.J. Jackson (215) 171
- Kim, J.M., S. Shimizu and H. Yamada, Evidence for the presence of a cytosine deaminase that does not catalyze the deamination of creatine (210) 77
- Kim, T.W. see C. Yang (224) 261
- Kimura, H. see Y. Shimohigashi (222) 71
- Kimura, J. and M. Kimura, The complete amino acid sequences of the 5 S rRNA binding proteins L5 and L18 from the moderate thermophile *Bacillus stearothermophilus* ribosome (210) 85
- Kimura, J., E. Arndt and M. Kimura, Primary structures of three highly acidic ribosomal proteins S6, S12 and S15 from the archaeobacterium *Halobacterium marismortui* (224) 65
- Kimura, J. see M. Kimura (210) 91
- Kimura, M. and J. Kimura, The complete amino acid sequence of ribosomal protein S12 from *Bacillus stearothermophilus* (210) 91
- Kimura, M. see J. Kimura (210) 85
- Kimura, M. see J. Kimura (224) 65
- Kimura, T. see Y. Hirata (219) 369
- King, J.A. see C.E. Smith (225) 247
- King, K.D. see W.B. Macklin (223) 417
- Kinnally, K.W., H. Tedeschi and C.A. Mannella, Evidence for a novel voltage-activated channel in the outer mitochondrial membrane (226) 83
- Kinoshita, J.H. see D. Carper (220) 209
- Kinosian, H.J. see L.A. Selden (217) 89
- Kirillova, M.A. see L.P. Sashchenko (226) 261
- Kirk, K.L. see D. Ukena (209) 122
- Kirk, K.L. see K.A. Jacobson (225) 97
- Kirkness, E.F. see K.B. Widdows (222) 125
- Kirschke, H. see D. Brömme (219) 441
- Kishimoto, T. see T. Andus (221) 18
- Kiss, Z., E. Deli and J.F. Kuo, Cyclic AMP-like effects of polyamines on phosphatidylcholine synthesis and protein phosphorylation in human promyelocytic leukemia HL60 cells: Comparison with the effects of phorbol ester (213) 365
- Kitamura, S., T. Shimizu, T. Izumi and Y. Seyama, Synthesis of 11,12-leukotriene A_5 , 11S,12S'-oxido-5Z,7E,9E,14Z-eicosatetra-enoic acid, a novel leukotriene of the 12-lipoxygenase pathway (213) 169
- Kiss, Z. see E. Deli (221) 365
- Kitabgi, P. see J.-C. Bozou (211) 151
- Kitada, K. see S. Oshiro (220) 383

- Kitagawa, H. see A. Kurosaka (215) 137
 Kitagawa, H. see A. Yamaguchi (225) 228
 Kitagawa, T. see S. Hashimoto (208) 305
 Kitagawa, Y. see Y. Aratani (218) 47
 Kitasato, H. see K. Tobe (215) 345
 Kiyatkin, N.I. see Yu.A. Ovchinnikov (213) 73
 Kizer, D.E. see D.P. Ringer (224) 59
 Klærke, D.A., J. Petersen and P.L. Jørgensen, Purification of Ca^{2+} -activated K^+ channel protein on calmodulin affinity columns after detergent solubilization of luminal membranes from outer renal medulla (216) 211
 Klee, A. see B. Tocqué (222) 327
 Kleefeld, S. see H. Strotmann (221) 265
 Klein, R. see R. Thiery (223) 381
 Kleppe, K. see D.E. Helland (213) 215
 Kliger, D.S. see K.R. Parker (211) 35
 Klimov, V.V. see S.I. Allakhverdiev (226) 186
 Klingenberg, M. see C. Eckerskorn (226) 166
 Klingenberg, M. see H. Aquila (212) 1
 Klinz, F.-J., V.C. Yu, W. Sadée and T. Costa, Differential expression of α -subunits of G-proteins in human neuroblastoma-derived cell clones (224) 43
 Klip, A., T. Ramjal, D.A. Young and J.O. Holloszy, Insulin-induced translocation of glucose transporters in rat hindlimb muscles (224) 224
 Knaff, D.B. see M. Hirasawa (221) 343
 Knaus, H.-G. see J. Striessnig (212) 247
 Knecht, E. see E. Roche (221) 231
 Knecht, E. see J.L. Vargas (224) 182
 Knecht, E. see R. Wallace (208) 427
 Kniesel, S. see H.-J. Kärger (220) 126
 Knibiehler, M. and C. Lazdunski, Conformation of colicin A: apparent difference between cytoplasmic and extracellular polypeptide chain (216) 183
 Knight, D.E. and M.C. Scrutton, Secretion of 5-hydroxytryptamine from electroporabilised human platelets: Effects of GTP and cyclic 3',5'-AMP (223) 47
 Knowler, J.T. see M.T. Travers (211) 27
 Knox, P.P. see V.Z. Paschenko (214) 28
 Ko, J.-L. see C.-L. Ho (209) 18
 Kobayashi, M. see T. Hiyama (214) 97
 Kobayashi, Y. see S. Koyama (209) 265
 Kobelt, A., A. Pfaltz, D. Ankel-Fuchs and R.K. Thauer, The L-form of *N*-7-mercaptopheptanoyl-*O*-phosphothreonine is the enantiomer active as component B in methyl-CoM reduction to methane (214) 265
 Kobelt, A. see J. Ellermann (220) 358
 Kodama, C. see F. Inagaki (212) 91
 Kodama, C. see F. Inagaki (219) 45
 Kodama, H. see Y. Shimohigashi (222) 251
 Koder, Y. see S. Ono (220) 332
 Koenderman, A.H.L., P.W. Wijermans and D.H. van den Eijnden, Changes in the expression of *N*-acetylglucosaminyltransferase III, IV, V associated with the differentiation of HL-60 cells (222) 42
 Koga, T. see Y. Uejima (214) 127
 Koh, G. see Y. Seino (223) 74
 Kohchi, T. see H. Fukuzawa (220) 61
 Kohda, D. see F. Inagaki (212) 91
 Köhler, K. see M. Thaler (219) 351
 Kohring, G.-W. and F. Mayer, In situ distribution of *EcoRI* methylase and restriction endonuclease in cells of *Escherichia coli* B5 (216) 207
 Koide, T. and S. Odani, Histidine-rich glycoprotein is evolutionarily related to the cystatin superfamily: Presence of two cystatin domains in the N-terminal region (216) 17
 Koide, T. see R. Yamagishi (225) 109
 Koivu, J., Disulfide bonding as a determinant of the molecular composition of types I, II and III procollagen (217) 216
 Koivu, J., Identification of disulfide bonds in carboxy-terminal propeptides of human type I procollagen (212) 229
 Koizumi, M. see Y. Shimonishi (215) 165
 Kojro, E., I. Willhardt, A. Römbach, Z. Grzonka and P. Hermann, Tetrazole analogs of amino acids as constituents of modifiers of carboxypeptidase A catalysis (212) 83
 Kolchanov, N.A., V.V. Solovyov and I.B. Rogozin, Peculiarities of immunoglobulin gene structures as a basis for somatic mutation emergence (214) 87
 Kolesnikov, S.S., A.B. Jainazarov and E.E. Fesenko, Time-dependent cGMP-activated conductance of detached patches of ROS plasma membrane (222) 37
 Koll, R. see S. Fehr (210) 45
 Kolsteeg, C.E.M. see J.A. van Kuik (221) 150
 Komano, O. see B. Cantournet (220) 143
 Kominami, E. see K. Ishidoh (223) 69
 Kominami, E. see K. Ishidoh (226) 33
 Kondo, M. see Y. Shimohigashi (222) 251
 Konings, F., Comment on the letter of Drs. De Block and De Potter (222) 359
 Konings, W.N. see M. Opekarová (213) 45
 Konings, W.N. see W. Crielaard (225) 6
 Konishi, T. and N. Murakami, $\Delta\psi$ -dependent gating of Na^+/H^+ exchange in *Halobacterium halobium*: a $\Delta\psi\text{H}^+$ -driven Na^+ pump (226) 270
 Konno, T. see T. Kurosaki (214) 253
 Konno, T. see T. Tobimatsu (222) 56
 Kono, N. see H. Nakajima (223) 113
 Kononenko, A.A. see V.Z. Paschenko (214) 28
 Konopka, A. see K.P. Samuel (218) 81
 Konstantinov, A.A. see T. Vygodina (219) 387
 Kopchick, J.J. see R.C. Gorewit (225) 238
 Kopecký, P. see L. Morávek (208) 435
 Koprowski, H. see G. Larson (214) 41
 Koprowski, H. see J. Thurin (208) 17
 Koretsky, A.P. see L.A. Katz (221) 270
 Koretz, J.F. see R.C. Augusteyn (222) 1
 Korn, E.D. see M. Coué (213) 316
 Kornblihtt, A. see M. Obara (213) 261
 Korneev, S.A. see S.A. Limborska (212) 208
 Kornilova, E.S. see L.V. Teslenko (221) 105
 Korobkova, E.N. see G.I. Muzya (220) 371
 Korth, R. see J. Benveniste (226) 371
 Korvatovsky, B.N. see V.Z. Paschenko (214) 28
 Kosaka, Y. see U. Kikkawa (217) 227
 Koschel, K. see H.G. Kress (221) 28
 Koster, J.F. see A. Montfoort (226) 101
 Kostić, M.M., D. Maretzki, R. Živković, E.G. Krause and S.M. Rapoport, Activation and desensitization of glycolysis by stimulation of adenylate cyclase in rat reticulocytes (217) 163
 Kostina, M.B. see E.D. Sverdlov (217) 275
 Kostina, M.B. see Yu.A. Ovchinnikov (213) 73
 Kostyrko, V.A. see I.A. Smirnova (214) 343
 Koteliensky, V.E. see A.M. Belkin (220) 291
 Koteliensky, V.E. see M.A. Chernousov (217) 124
 Koteliensky, V.E. see M.A. Glukhova (218) 292
 Kothekar, V. see B. Chandrasekhar (225) 151
 Kothekar, V. see K. Gopalakrishna (215) 95
 Koyama, J. see M. Sato (224) 29
 Koyama, S., H. Daiyasu, S. Hase, Y. Kobayashi, Y. Kyogoku and T. Ikenaka, ^1H -NMR analysis of the sugar structures of glycoproteins as their pyridylamino derivatives (209) 265
 Kraayenhof, R. see H.S. van Walraven (208) 138
 Krab, K. see H.S. van Walraven (208) 138
 Krahmer, M. and R. Prohaska, Characterization of human red cell Rh (Rhesus)-specific polypeptides by limited proteolysis (226) 105
 Kramer, G. see W. Kudlicki (215) 16
 Kramer, J.H. see C.M. Arroyo (221) 101

- Kramer, M.D. see H.-G. Simon (223) 352
- Krasnovsky, A.A. and V.V. Nikandrov, The photobiocatalytic system: inorganic semiconductors coupled to bacterial cells (219) 93
- Krause, E.G. see M.M. Kostić (217) 163
- Krayevsky, A. see N. Dyatkina (219) 151
- Kreisel, M. see R.B. Frydman (219) 380
- Krenn, B.E. see R. Wever (216) 1
- Kress, H.G., H. Eckhardt-Wallasch, P.W.L. Tas and K. Koschel, Volatile anesthetics depress the depolarization-induced cytoplasmic calcium rise in PC 12 cells (221) 28
- Kretzmer, K.K. see T.-C. Wun (210) 11
- Kriebardis, A. and W. Guschlbauer, *dam* methylase from *E. coli*: Circular dichroism investigations of the secondary structure and influence of *S*-adenosylmethionine (213) 297
- Kriebardis, A. see R. Lauster (220) 167
- Krikun, G. and A.I. Cederbaum, Effect of chronic ethanol consumption on microsomal lipid peroxidation: Role of iron and comparison between controls (208) 292
- Krishnan, L.K. and M.P. Jamaluddin, Conformational responses of an arachidonate- and U46619-binding haemoprotein in relation to platelet activation (212) 213
- Krivokapich, J. see S.C. Huang (216) 128
- Krizek, J., L.M. Coluccio and A. Bretscher, ATPase activity of the microvillar 110 kDa polypeptide-calmodulin complex is activated in Mg^{2+} and inhibited in K^{+} -EDTA by F-actin (225) 269
- Kröger, B. see R.K. Hartmann (218) 215
- Krömer, S., M. Stitt and H.W. Heldt, Mitochondrial oxidative phosphorylation participating in photosynthetic metabolism of a leaf cell (226) 352
- Krstenansky, J.L. and S.J.T. Mao, Antithrombin properties of C-terminus of hirudin using synthetic unsulfated N^2 -acetyl-hirudin_{45–65} (211) 10
- Krüger, H. see F. Hucho (211) 207
- Krupp, G. and D. Söll, Simplified in vitro synthesis of mutated RNA molecules: An oligonucleotide promoter determines the initiation site of T₇ RNA polymerase on ss M13 phage DNA (212) 271
- Krycve-Martinerie, C., J. Soret, J. Crochet, M. Baluda and B. Perbal, Expression of a truncated *v-myb* product in transformed chicken embryo fibroblasts (214) 81
- Krykbaev, R.A. see E.D. Sverdlov (212) 233
- Krynetskaya, N.F. see V.G. Metelev (226) 232
- Kubo, K., S. Ohno and K. Suzuki, Primary structures of human protein kinase C β I and β II differ only in their C-terminal sequences (223) 138
- Kubo, S. see I. Matsuoka (216) 295
- Kubo, T., A. Maeda, K. Sugimoto, I. Akiba, A. Mikami, H. Takahashi, T. Haga, K. Haga, A. Ichiyama, K. Kangawa, H. Matsuo, T. Hirose and S. Numa, Primary structure of porcine cardiac muscarinic acetylcholine receptor deduced from the cDNA sequence (209) 367
- Kubota, Y., T. Shuin, M. Yao, H. Inoue and T. Yoshioka, The enhanced ³²P labeling of CDP-diacylglycerol in *c-myc* gene expressed human kidney cancer cells (212) 159
- Kuchel, P.W., B.E. Chapman and J.R. Potts, Glucose transport in human erythrocytes measured using ¹³C NMR spin transfer (219) 5
- Kudlicki, W., R.E.H. Wettenhall, B.E. Kemp, R. Szyszka, G. Kramer and B. Hardesty, Evidence for a second phosphorylation site on eIF-2 α from rabbit reticulocytes (215) 16
- Kühlbrandt, W., A. Becker and W. Mäntele, Chlorophyll dichroism of three-dimensional crystals of the light-harvesting chlorophyll *a/b*-protein complex (226) 275
- Kühn, H., R. Wiesner, L. Alder, T. Schewe and H. Stender, Formation of lipoxin B by the pure reticulocyte lipoxygenase (208) 248
- Kühn, K. see U. Schwarz-Magdolen (208) 203
- Kühnemund, O. see L. Morávek (208) 435
- Kukhanova, M. see N. Dyatkina (219) 151
- Kulikov, V.A. see S.V. Shlyapnikov (209) 335
- Kulinski, T. see A.J.W.G. Visser (224) 406
- Kumar, S., J. de Vellis, N.J. Lowe and D.P. Weingarten, all-*trans*-Retinoic acid inhibits the appearance of two phorbol ester-induced ornithine decarboxylase mRNAs in mouse epidermis (208) 151
- Kumar, S. see G.J. Anderson (220) 323
- Kun, E. see A. Hakam (212) 73
- Kunze, H. see B.-M. Löffler (216) 51
- Kuo, J.F. see E. Deli (221) 365
- Kuo, J.F. see Z. Kiss (213) 365
- Kupriyanov, V.V., N.V. Lyulina, A.Y. Steinschneider, M.Yu. Zueva and V.A. Saks, Creatine kinase-catalyzed ATP-phosphocreatine exchange: Comparison of ³¹P-NMR saturation transfer technique and radioisotope tracer methods (208) 89
- Kurihara, K. see I. Matsuoka (216) 295
- Kuriki, Y., Heat shock inactivates a supernatant factor(s) specifically required for efficient expression of the *amp* gene in *Escherichia coli* (223) 127
- Kurkinen, M. see S.L. Hostikka (216) 281
- Kuroda, Y., H. Nakayama, T. Ishibashi, S. Aoki, S. Tushima and S. Nakagawa, A significant increase of lysophosphatidylinositol 4-phosphate with insulin in isolated rat fat cells (224) 137
- Kurokawa, T., R. Sasada, M. Iwane and K. Igarashi, Cloning and expression of cDNA encoding human basic fibroblast growth factor (213) 189
- Kuroki, T. see M. Itami (222) 289
- Kurono, M. see Y. Seino (223) 74
- Kurosaka, A., S. Fukui, H. Kitagawa, H. Nakada, Y. Numata, I. Funakoshi, T. Kawasaki and I. Yamashina, Mucin-carbohydrate directed monoclonal antibody (215) 137
- Kurosaki, T., K. Fukuda, T. Konno, Y. Mori, K.-I. Tanaka, M. Mishina and S. Numa, Functional properties of nicotinic acetylcholine receptor subunits expressed in various combinations (214) 253
- Kurosawa, Y. see Y. Kuwana (219) 360
- Kurose, H., T. Inagami and M. Ui, Participation of adenosine 5'-triphosphate in the activation of membrane-bound guanylate cyclase by the atrial natriuretic factor (219) 375
- Kuryatov, A.B. see A.S. Arseniev (213) 283
- Kusakabe, K. see T. Katada (213) 353
- Kushnirov, V.V., M.D. Ter-Avanesyan, A.P. Surguchov, V.N. Smirnov and S.G. Inge-Vechtomov, Localization of possible functional domains in *sup2* gene product of the yeast *Saccharomyces cerevisiae* (215) 257
- Kutejová, E. see L. Horniak (224) 283
- Kutyshenko, V.P. see G.V. Semisotnov (224) 9
- Kuwajima, K., H. Yamaya, S. Miwa, S. Sugai and T. Nagamura, Rapid formation of secondary structure framework in protein folding studied by stopped-flow circular dichroism (221) 115
- Kuwana, Y., S. Itoh, F. Nagase, I. Nakashima and Y. Kurosawa, Production of the constant domain of murine T-cell receptor β -chain in *Escherichia coli* (219) 360
- Kuwano, R. see T. Yamakuni (223) 117
- Kuznetsov, A.M., V.A. Bogdanovskaya, M.R. Tarasevich and E.F. Gavrilova, The mechanism of cathode reduction of oxygen in a carbon carrier-laccase system (215) 219
- Kuznetsov, S.A. and V.I. Gelfand, 18 kDa microtubule-associated protein: identification as a new light chain (LC-3) of microtubule-associated protein 1 (MAP-1) (212) 145

Kwan, A.P.L. see S. Ayad (220) 181
 Kyogoku, Y. see S. Koyama (209) 265
 Kyogoku, Y. see S. Nishimoto (213) 293

L

- La Mantia, G. see A. Pascucci (226) 297
 La Mantia, G. see L. Lania (219) 400
 Labouesse, J. see A.M. Garrigues (224) 267
 Labouesse, J. see H. Valeins (226) 331
 Labourdette, G. see C. Gensburger (217) 1
 Laburthe, M. see J.-C. Bozou (211) 151
 Laduron, P.M. see W. Wouters (213) 359
 Lafaye, P. and C. Lapresle, Location of penicilloyl groups on CNBr fragments of the albumin from penicillin-treated patients (220) 206
 Laffi, G., F. Cominelli, M. Ruggiero, S. Fedi, V. Chiarugi and P. Gentilini, Molecular mechanism underlying impaired platelet responsiveness in liver cirrhosis (220) 217
 Lagenfelt, G. see R. Aasa (221) 245
 Lahlou, B. see M.E. Guibolini (220) 98
 Laidman, D.L. see B.N. Zaba (213) 49
 Laine, R. see P. Leinonen (215) 68
 Laitinen, J., R. Löppönen, J. Merenmies and H. Rauvala, Binding of laminin to brain gangliosides and inhibition of laminin-neuron interaction by the gangliosides (217) 94
 Lakey, J.H., Voltage gating in porin channels (211) 1
 Lala, A.K. see R.M. Mogre (221) 408
 Lambeth, J.D. see E. Deli (221) 365
 Lambolez, B. and J. Rossier, Benzodiazepine agonists protect a histidine residue from modification by diethyl pyrocarbonate whereas propyl β -carboline does not (219) 301
 Lamerichs, R.M.J.N. see J.A.W.H. Vermeulen (219) 426
 Lammi, M., C.L. Pon and C.O. Gualerzi, The NH_2 -terminal cleavage of *Escherichia coli* translational initiation factor IF3: A mechanism to control the intracellular level of the factor? (215) 115
 Lampen, J.O. see N.J. Nicholls (221) 179
 Lamponi, S., C. Galassi, P. Tortora and A. Gueritore, Glucose-induced degradation of yeast fructose-1,6-bisphosphatase requires additional triggering events besides protein phosphorylation (216) 265
 Landau, I. see A. Brossi (214) 291
 Landau, I. see A. Brossi (223) 77
 Landemore, G., S.-E. Letaief, J. Bocquet and J. Izard, Kurloff cell proteoglycans: Evidence for de novo synthesis of chondroitin sulphate proteoglycans by purified Kurloff cells (209) 299
 Lang, B.F. see R. Cedergren (226) 63
 Langley, O.K., M.C. Alctsee and M. Gratzl, Endocrine cells share expression of N-CAM with neurones (220) 108
 Langsford, M.L., N.R. Gilkes, B. Singh, B. Moser, R.C. Miller, jr, R.A.J. Warren and D.G. Kilburn, Glycosylation of bacterial cellulases prevents proteolytic cleavage between functional domains (225) 163
 Lania, L., A. Pannuti, G. La Mantia and C. Basilico, The transcription of B2 repeated sequences is regulated during the transition from quiescent to proliferative state in cultured rodent cells (219) 400
 Lania, L. see A. Pascucci (226) 297
 Lanzara, V. and E. Grazi, On an Mg^{2+} -dependent interaction of actin with glyceraldehyde-phosphate dehydrogenase: The fundamental role of KCl in the organization of F-actin (221) 387
 Lapidot, A. see B. Kalderon (213) 209
 Lapidot, A. see B. Kalderon (220) 259
 Lapresle, C. see P. Lafaye (220) 206
 Lardy, H.A. see L.L. Ji (208) 297
 Larkins, R.G. see M. Dunlop (220) 84
 Larson, G., P. Watsfeldt, P. Falk, H. Leffler and H. Koprowski, Fecal excretion of intestinal glycosphingolipids by newborns and young children (214) 41
 Larsson, K. see M. Forsgren (213) 254
 Larsson, R. see P. Nygren (213) 195
 Larsson, U.K. see M. Spangfort (224) 343
 Lasch, J., G. Niedermann, A.A. Bogdanov and V.P. Torchilin, Thiolation of preformed liposomes with iminothiolane (214) 13
 Lasmoles, F. see S. Minvielle (223) 63
 Laurent, A., M. Basset, M. Dorée and C.J. Le Peuch, Involvement of a calcium-phospholipid-dependent protein kinase in the maturation of *Xenopus laevis* oocytes (226) 324
 Laurent, E. see I. Graff (210) 204
 Lauster, R., A. Kriebardis and W. Guschlbauer, The GATATC-modification enzyme *EcoRV* is closely related to the GATC-recognizing methyltransferases *DpnII* and *dam* from *E. coli* and phage T_4 (220) 167
 Lautenberger, J.A. see K.P. Samuel (218) 81
 Laverdure, G.R., D. Banerjee, I. Chackalaparampil and B.B. Mukherjee, Epidermal and transforming growth factors modulate secretion of a 69 kDa phosphoprotein in normal rat kidney fibroblasts (222) 261
 Lavergne, J.-P., F. Conquet, J.-P. Reboud and A.-M. Reboud, Role of acidic phosphoproteins in the partial reconstitution of the active 60 S ribosomal subunit (216) 83
 Lavrik, O.I., A.S. Levina, G.A. Nevinsky and V.N. Podust, Role of nucleoside components and internucleotide phosphate groups of oligodeoxyribonucleotide template in its binding to human DNA polymerase α (216) 225
 Lavrik, O.I. see S.V. Doronin (216) 221
 Law, S.W. see S.S. Fojo (213) 221
 Lawrence, M. see R.J.P. Williams (209) 111
 Laychock, S.G. and S. Bilgin, α_2 -Adrenergic inhibition of pancreatic islet glucose utilization is mediated by an inhibitory guanine nucleotide regulatory protein (218) 7
 Lazard, M., M. Mirande and J.-P. Waller, Overexpression of mammalian phenylalanyl-tRNA synthetase upon phenylalanine restriction (216) 27
 Lazdunski, C. see J.-M. Bolla (224) 213
 Lazdunski, C. see M. Knibiehler (216) 183
 Lazdunski, M. see A. Lombet (219) 355
 Lazer, G. see M.K. Agarwal (217) 221
 Lazure, C. see N.G. Seidah (211) 144
 Lazure, C. see S. Benjannet (224) 142
 Le Bouc, Y., P. Noguez, P. Sondermeijer, D. Dreyer, F. Girard and M. Binoux, A new 5'-non-coding region for human placental insulin-like growth factor II mRNA expression (222) 181
 Le Breton, G.C. see E.J. Kattelman (213) 179
 Le Call, J. see M.-C. Liu (218) 227
 Le Cam, A. see G. Le Cam (210) 1
 Le Cam, G. and A. Le Cam, Synthesis of the growth hormone-regulated rat liver anti-protease GHR-P 63 is inhibited by acute inflammation (210) 1
 Le Maire, M. see A. Viel (223) 232
 Le Peuch, C.J. see A. Laurent (226) 324
 Leadlay, P.F. see R.S. Hale (224) 133
 Lebedeva, N.N. see Yu.S. Borovikov (223) 409
 Leber, B. see J.D. Norton (215) 127

- Leblond-Francillard, M. see M. Ekker (222) 337
- LeBoff, M. see E. Brown (218) 113
- LeBoff, M. see M. Oetting (208) 99
- Lecomte, P.J. and J. Ninio, Variations with position of replication errors due to exonuclease warm-up (221) 194
- Leduc, R. see S. Benjannet (224) 142
- Lee, E. and K. Kariya, Propylthiouracil, a selective inhibitor of NADH-cytochrome b_5 reductase (209) 49
- Lee, J.S. see B.L. Haug (215) 252
- Lee, J.-Y. see B.-D. Hsu (217) 53
- Lee, K.M. and J.-F. Biellmann, Enzyme and organic solvents: horse liver alcohol dehydrogenase in non-ionic microemulsion: Stability and activity (223) 33
- Lee, N.I. see L.L. Muldrow (213) 249
- Lee, P. see K. Oxborough (221) 211
- Lee, S. see S. Ono (220) 332
- Lee, Y.C., J.A. Ball, D. Reece and S.R. Bloom, Neuromedin N: presence and chromatographic characterization in the rat (220) 243
- Leemans, J. see H. Höfte (226) 364
- Lefèvre, J.F. see E. Bertrand-Burgraff (215) 83
- Leffak, M. see P.S. Fink (214) 75
- Leffak, M. see P.S. Fink (220) 263
- Leffler, H. see G. Larson (214) 41
- Lefranc, G. see M.-P. Lefranc (213) 231
- Lefranc, G. see S. Huck (208) 221
- Lefranc, M.-P. and G. Lefranc, Human immunoglobulin heavy-chain multigene deletions in healthy individuals (213) 231
- Lefranc, M.-P. see S. Huck (208) 221
- Lefranc, M.-P. see S. Huck (224) 291
- LeGall, J. see A.J.W.G. Visser (224) 406
- LeGall, J. see E. Samain (216) 140
- LeGall, J. see G.D. Fauque (215) 63
- LeGall, J. see L.C. Sieker (208) 73
- LeGall, J. see L.C. Sieker (209) 261
- LeGall, J. see Y.M. Berlier (221) 241
- Lehto, V.P. see V.M. Wasenius (221) 73
- Leighton, B., R. Curi, A. Hussein and E.A. Newsholme, Maximum activities of some key enzymes of glycolysis, glutaminolysis, Krebs cycle and fatty acid utilization in bovine pulmonary endothelial cells (225) 93
- Leinonen, P., L. Alhonen-Hongisto, R. Laine, O.A. Jänne and J. Jänne, Chronic exposure to dexamethasone induces hypomethylation of ornithine decarboxylase genes in a human myeloma cell line (215) 68
- Leisola, M.S.A. see S.D. Haemmerli (220) 149
- Lekka, M., A.D. Tselepis and D. Tsoukatos, 1-*O*-Alkyl-2-acetyl-*sn*-glyceryl-3-phosphorylcholine (PAF) is a minor lipid component in *Tetrahymena pyriformis* cells (208) 52
- Lelkes, P.I., J.E. Friedman, K. Rosenheck and A. Oplatka, Destabilization of actin filaments as a requirement for the secretion of catecholamines from permeabilized chromaffin cells (208) 357
- LeMaster, D.M., Chiral β and random fractional deuteration for the determination of protein sidechain conformation by NMR (223) 191
- Lenaz, G. see M. Rugolo (212) 313
- Leneveu, E. and M. Simonneau, Scorpion venom inhibits selectively Ca^{2+} -activated K^{+} channels in situ (209) 165
- Leng, M. see B. Hartmann (225) 11
- Lentes, K.-U. see F.-Z. Chung (211) 200
- Lenzen, G., P. Masson, J.-M. Jacquemin and A. Danchin, A TY1 element is inserted in the CYR1 control region of *Saccharomyces cerevisiae* strain AB320 (219) 254
- Lerch, K. see M. Huber (219) 335
- Lespinat, P.A. see Y.M. Berlier (221) 241
- Lessire, R. see J.-J. Bessoule (214) 158
- Letaief, S.E. see G. Landmore (209) 299
- Leung, I.K.M., R.S. Mani and C.M. Kay, Fluorescence studies on the Ca^{2+} and Zn^{2+} binding properties of the α -subunit of bovine brain S-100a protein (214) 35
- Leung, P.C.K. see T. Minegishi (214) 139
- Leunissen-Bijvelt, J. see A.M. Batenburg (223) 148
- Level, M. see J.-P. Tenu (220) 93
- Leverve, X.M., L.H.P. Caro, P.J.A.M. Plomp and A.J. Meijer, Control of proteolysis in perfused rat hepatocytes (219) 455
- Levin, D.B. and M.S. DuBow, Cloning and localization of the repressor gene (*c*) of the Mu-like transposable phage D108 (222) 199
- Levina, A.S. see O.I. Lavrik (216) 225
- Levina, N.B. see Yu.A. Ovchinnikov (226) 91
- Levine, B.A. see J.S. Evans (208) 211
- Levinger, L.F. and G.S. Nass, A unique nucleoprotein structure associated with the *Drosophila melanogaster* 18–28 S rDNA nontranscribed spacer (209) 340
- Levitsky, D.I., L.A. Shuvalova and B.F. Poglazov, The effect of myosin light chain phosphorylation on the actin-stimulated ATPase activity of myosin minifilaments (221) 77
- Levitzi, A., Regulation of adenylate cyclase by hormones and G-proteins (211) 113
- Levy, H.R. see M.M. Bhadbhade (211) 243
- Lewis, G.P. see L.A.J. O'Neill (212) 35
- Lewis, J.A. and A. Bendicenti di Girolamo, Activation of metallothionein expression is potentiated by DNA sequences present in the herpes simplex virus thymidine kinase gene (217) 292
- Lewis, J.W. see K.R. Parker (211) 35
- Lewis, T.J. see B.N. Zaba (213) 49
- Leymarie, P. see A. Benhaim (223) 321
- Lezza, A.M.S. see P. Cantatore (213) 144
- Lian, L.-Y. see C.M. Dobson (225) 183
- Lidholm, D.-A., G.H. Gudmundsson, K.G. Xanthopoulos and H.G. Boman, Insect immunity: cDNA clones coding for the precursor forms of cecropins A and D, antibacterial proteins from *Hyalophora cecropia* (226) 8
- Lietz, H. see J. Striessnig (212) 247
- Liewerink, H. see P.D. Baas (218) 119
- Lifchitz, A. see J. Berthou (218) 55
- Lilja, H. see A. Lundwall (214) 317
- Liljas, A. see W.G. Garland (220) 43
- Liljenström, H., Maintenance of accuracy during amino acid starvation (223) 1
- Lim, C.T. see E.J. Kattelman (213) 179
- Limborska, S.A., S.A. Korneev, N.E. Maleeva, P.A. Slominsky, A.G. Jincharadze, P.L. Ivanov and A.P. Ryskov, Cloning of Alu-containing cDNAs from human fibroblasts and identification of small Alu⁺ poly(A)⁺ RNAs in a variety of human normal and tumor cells (212) 208
- Lin, T. and W.A. Bridger, Phosphorylation by cyclic AMP-dependent protein kinase does not affect the association of ATP citrate-lyase with isolated mitochondria (224) 322
- Lin, W.-J. see B.-D. Hsu (217) 53
- Lin, Y. see J.J. Huang (223) 294
- Lin-Chao, S. see C.C.-K. Chao (225) 133
- Lindau, M. and O. Nüße, Pertussis toxin does not affect the time course of exocytosis in mast cells stimulated by intracellular application of GTP- γ -S (222) 317
- Lindau, M. see J.M. Fernandez (216) 89
- Lindgren, J.Ä. see T. Miyamoto (216) 123
- Lindh, E. see P. Nygren (213) 195
- Lindley, I. see E. Pöschl (226) 96
- Lindorfer, M.A. see S. Takamiya (218) 277
- Lindstrom, J. see P. Whiting (213) 55
- Lindstrom, J. see P. Whiting (219) 459
- Lindstrom, J. see R. Schoepfer (226) 235

- Lindy, S., T. Sorsa, K. Suomalainen and H. Turto, Gold sodium thiomalate activates latent human leukocyte collagenase (208) 23
- Ling, C. see E. Bertrand-Burggraf (215) 83
- Lingens, F. see W. Wiesner (209) 321
- Lingley, M.D. see M.E. Houston (219) 469
- Link, T.A. see H. Aquila (212) 1
- Link, T.A. see H. Schägger (219) 161
- Linnemann, D. see E. Bock (225) 33
- Lipkin, V.M. see Yu.A. Ovchinnikov (223) 169
- Lipkin, V.M. see Yu.A. Ovchinnikov (226) 91
- Lips, C.J.M. see J.W.M. Höppener (215) 122
- Lips, C.J.M. see P.H. Steenbergh (209) 97
- Litchfield, D.W. see G.A. Cates (218) 195
- Littlechild, J.A., G.J. Davies, S.J. Gamblin and H.C. Watson, Phosphoglycerate kinase from the extreme thermophile *Thermus thermophilus*: Crystallization and preliminary X-ray data (225) 123
- Liu, M.-C., M.-Y. Liu, W.J. Payne, H.D. Peck jr, J. Le Gall and D.V. DerVartanian, Comparative EPR studies on the nitrite reductases from *Escherichia coli* and *Wolinella succinogenes* (218) 227
- Liu, M.-Y. see M.-C. Liu (218) 227
- Ljunghall, S. see P. Nygren (213) 195
- Llinás, M. see J.A.W.H. Vermeulen (219) 426
- Lloyd, C.J. see R.J. Simpson (224) 128
- Lo, C.-H. see S.-H. Chiou (221) 134
- Lo, T.-B. see S.-H. Chiou (209) 107
- Lo, W.W.Y. and J. Hughes, A novel cholera toxin-sensitive G-protein (G_q) regulating receptor-mediated phosphoinositide signalling in human pituitary clonal cells (220) 327
- Lo, W.W.Y. and J. Hughes, Pertussis toxin distinguishes between muscarinic receptor-mediated inhibition of adenylate cyclase and stimulation of phosphoinositide hydrolysis in Flow 9000 cells (220) 155
- Lo, W.W.Y. and J. Hughes, Receptor-phosphoinositidase C coupling: Multiple G-proteins? (224) 1
- Lo, W.W.Y. and J. Hughes, Specific and nonspecific effects of nucleotides on hormone-induced phosphoinositide turnover in permeabilized human pituitary tumour cells (Flow 9000) (226) 67
- Lo Presti, E. see C. Delfini (210) 17
- LoBrutto, R. see J. Telser (214) 117
- Lockard, R.E., Identification of the proteins in direct contact with duck globin mRNA (219) 410
- Lockau, W. see K. Ziegler (217) 16
- Lockau, W. see W. Nitschke (218) 283
- Lockheart, A. see P.W. Piper (214) 143
- Lockshin, R.A. see T.W. Simmons (218) 251
- Loeb, J. see B. Cantournet (220) 143
- Löffelhardt, W. see J. Berenguer (224) 401
- Löffler, B.-M. and H. Kunze, Fractionation, biochemical characterization and lysosomal phospholipases of human liver (216) 51
- Logunov, S.L. see V.Z. Paschenko (214) 28
- Lohse, D. see H. Strotmann (221) 265
- Lohse, P. see J.R. Havinga (216) 275
- Loidl, P. see G. Golderer (222) 322
- Lombet, A., J.-N. Bidard and M. Lazdunski, Ciguatoxin and brevetoxins share a common receptor site on the neuronal voltage-dependent Na^+ channel (219) 355
- Lomri, A., P.J. Marie, M. Escurat and M.-M. Portier, Cytoskeletal protein synthesis and organization in cultured mouse osteoblastic cells: Effects of cell density (222) 311
- Londesborough, J. and M. Nuutinen, Ca^{2+} /calmodulin-dependent protein kinase in *Saccharomyces cerevisiae* (219) 249
- Long, K. see N.J. Philp (225) 127
- Löppönen, R. see J. Laitinen (217) 94
- Lord, J.M. see M. O'Hare (216) 73
- Lorenzo, J.L., M. Allorio, F. Bernini, A. Corsini and R. Fumagalli, Regulation of low density lipoprotein metabolism by 26-hydroxycholesterol in human fibroblasts (218) 77
- Lottspeich, F. see R. Grimm (225) 215
- Lottspeich, F. see R. Schlipfenbacher (209) 57
- Louie, K.A. see W.G. Garland (220) 43
- Lowe, N.J. see S. Kumar (208) 151
- Loyter, A. see O. Nussbaum (221) 61
- Lucantoni, A. and G.M. Polya, Activation of wheat embryo calcium-regulated protein kinase by unsaturated fatty acids in the presence and absence of calcium (221) 33
- Lucas, C.A. see C.J. Rhodes (215) 179
- Lucas, M. see C. Osuna (211) 41
- Lücken, U. see E.P. Gogol (219) 274
- Luduenia, R.F. see A. Banerjee (219) 103
- Lührmann, R. see P. Bringmann (213) 309
- Lukács, G.L. see L. Kiesel (217) 85
- Lukanidin, E.M. see L.P. Sashchenko (226) 261
- Lukasheva, L.I. see S.Yu. Morozov (213) 438
- Lukjanova, T.I. see L.P. Sashchenko (226) 261
- Lukka, M. see L. Keso (215) 105
- Lund, T., R. Bravo, H.R. Johansen, J. Zeuthen and J. Vuust, Synthesis, processing, and secretion of rat immunoglobulin E made in *Xenopus* oocytes (208) 369
- Lundell, D.J. see F. Suter (217) 279
- Lundwall, A. and H. Lilja, Molecular cloning of human prostate specific antigen cDNA (214) 317
- Lundwall, A. see M. Abrahamson (216) 229
- Lundwall, A. see S. Gershagen (220) 129
- Lunt, G.G. see C. Rapier (212) 292
- Lunt, G.G. see D.R.E. Macallan (226) 357
- Lunt, G. see Y. Aracava (222) 63
- Lupker, J. see P. Ferrara (226) 47
- Luther, M. see R. Schoepfer (226) 235
- Lutsenko, S.V. see Yu.A. Ovchinnikov (217) 111
- Luu, B. see J. Borg (213) 406
- Luzzato, L. see E.A. Usanga (209) 23
- Lyakhovich, V.V. see Ya.Yu. Woldman (212) 53
- Lyles, J.M. see E. Bock (225) 33
- Lyulina, N.V. see V.V. Kupriyanov (208) 89

M

- Maassen, J.A. see G.D.F. Maessen (208) 77
- Macallan, D.R.E., G.G. Lunt, S. Wonnacott, K.L. Swanson, H. Rapoport and E.X. Albuquerque, Methyllycaconitine and (+)-anatoxin-a differentiate between nicotinic receptors in vertebrate and invertebrate nervous systems (226) 357
- MacDonald, H.R., P. Wingfield, U. Schmeissner, A. Shaw, G.M. Clore and A.M. Gronenborn, Point mutations of human interleukin-1 with decreased receptor binding affinity (209) 295
- MacDonald, H.R. see C. Bron (219) 365
- MacDonald, H.R. see P. Wingfield (215) 160
- Machado, A.J. see L.E. Mallea (218) 143
- Machleidt, W. see H. Schägger (219) 161
- MacIntyre, D.E. see M. Bushfield (222) 299

- Macklin, W.B., M.V. Gardinier, K.D. King and K. Kampf, An AG→GG transition at a splice site in the myelin proteolipid protein gene in jimpy mice results in the removal of an exon (223) 417
- MacLennan, P.A., R.A. Brown and M.J. Rennie, A positive relationship between protein synthetic rate and intracellular glutamine concentration in perfused rat skeletal muscle (215) 187
- Macleod, A.F. see J.D. Bell (219) 239
- MacNicol, A.M., G.R. Banks and R.A. Cox, Biosynthesis and activity of DNA polymerase throughout the mitotic cycle of *Physarum polycephalum* (221) 48
- Macri, F. and A. Vianello, ADP- or pyrophosphate-dependent proton pumping of pea stem tonoplast-enriched vesicles (215) 47
- Maddix, S. see K.H. Cheeseman (209) 191
- Madsen, P. see J.E. Celis (209) 277
- Madsen, P. see J.E. Celis (220) 1
- Maeda, A. see T. Kubo (209) 367
- Maeda, M. see S.-Y. Hsu (218) 222
- Maeda, M. see T. Noumi (213) 381
- Maekawa, S. and H. Sakai, A novel 60-kDa smooth muscle protein that binds filamin-actin filament complex (221) 68
- Maeno, T. see K. Enomoto (223) 82
- Mäenpää, P., B. Andersson and C. Sundby, Difference in sensitivity to photoinhibition between photosystem II in the appressed and non-appressed thylakoid regions (215) 31
- Maeshima, M., A. Takeuchi and T. Asahi, Cell-free synthesis of alkaline lipase, a glyoxysomal membrane protein, from castor bean endosperm (220) 23
- Maessen, G.D.F., R. Amons, J.A. Maessen and W. Möller, Primary structure of elongation factor 1 β from *Artemia* (208) 77
- Maessen, G.D.F., R. Amons, J.P. Zeelen and W. Möller, Primary structure of elongation factor 1 γ from *Artemia* (223) 181
- Maffey, L. see M.E. Schinina (221) 87
- Magnaldo, I., H. Talwar, W.B. Anderson and J. Pouyssegur, Evidence for a GTP-binding protein coupling thrombin receptor to PIP₂-phospholipase C in membranes of hamster fibroblasts (210) 6
- Magnusson, R.P., J. Gestautas, P. Seto, A. Taurog and B. Rapoport, Isolation and characterization of a cDNA clone for porcine thyroid peroxidase (208) 391
- Maity, S.N. and B. Bhattacharyya, Properties of B-ring analogues of colchicine (218) 102
- Major, G.N. see P.R. Tempest (209) 357
- Makarov, V.L., I. Smirnov and S.I. Dimitrov, Higher order folding of chromatin is induced in different ways by monovalent and by bivalent cations (212) 263
- Maki, A.H. see J.R. Casas-Finet (220) 347
- Maki, A.H. see M.I. Khamis (211) 155
- Maki, A.H. see S.-Y. Mao (211) 83
- Maki, M., E. Takano, H. Mori, A. Sato, T. Murachi and M. Hatanaka, All four internally repetitive domains of pig calpastatin possess inhibitory activities against calpains I and II (223) 174
- Maki, M. see E. Takano (208) 199
- Makita, A. see Y. Uehara (208) 352
- Male, R. see D.E. Helland (213) 215
- Malech, H.L. see P.M. Murphy (221) 81
- Malech, H. see J. Falloon (209) 352
- Maleeva, N.E. see S.A. Limborska (212) 208
- Malgaroli, A. see A. Pandiella-Alonso (208) 48
- Malkin, R., Interaction of stigmatellin and DNP-INT with the Rieske iron-sulfur center of the chloroplast cytochrome *b₆-f* complex (208) 317
- Malkin, R., On the function of two vitamin K₁ molecules in the PS I electron acceptor complex (208) 343
- Malkin, R. see Z. Adam (225) 67
- Mallea, L.E., A.J. Machado, F. Navaroli and F.F.G. Rommerts, Modulation of stimulatory action of follicle stimulating hormone (FSH) and inhibitory action of epidermal growth factor (EGF) on aromatase activity in Sertoli cells by calcium (218) 143
- Malloy, C.R., A.D. Sherry and F.M.H. Jeffrey, Carbon flux through citric acid cycle pathways in perfused heart by ¹³C NMR spectroscopy (212) 58
- Malmström, B.G. see M. Fabian (213) 396
- Malmström, K. and H. Murer, Parathyroid hormone regulates phosphate transport in OK cells via an irreversible inactivation of a membrane protein (216) 257
- Malo, C. and A. Berteloot, Proximo-distal gradient of Na⁺-dependent D-glucose transport activity in the brush border membrane vesicles from the human fetal small intestine (220) 201
- Malvoisin, E., F. Wild and G. Zwingelstein, 12-O-Tetradecanoyl phorbol 13-acetate stimulates the myristylation of an ~82 kDa protein in HL-60 cells (215) 175
- Malvy, C. and J.R. Bertrand, Differential reactivity of 9-NH₂-ellipticine on apurinic and apyrimidinic sites in circular DNA (208) 155
- Malyshev, I.V. see E.D. Sverdlov (217) 275
- Malyshev, I.V. see Yu.A. Ovchinnikov (213) 73
- Mamedov, M.D. see L.A. Drachev (213) 128
- Manachini, P.L., C. Parini, M.G. Fortina and L. Benazzi, BliI, a restriction endonuclease from *Bacillus licheniformis* (214) 305
- Mancini, M. see G.J. Arlaud (222) 129
- Mandl, J. see L. Buday (223) 15
- Mangold, H.K. see N. Weber (211) 225
- Mangold, H.K., T. Muramatsu, B.S. Roughley and N. Weber, Biologically active lipids: Semi-synthesis of ³H-labeled ether glycerophospholipids and ether glyceroglycolipids from ratfish liver oil (220) 220
- Mani, R.S. see I.K.M. Leung (214) 35
- Mankin, A.S., E.A. Skripkin and V.K. Kagramanova, A putative internal promoter in the 16 S/23 S intergenic spacer of the rRNA operon of archaeobacteria and eubacteria (219) 269
- Mann, K., R. Deutzmann, M. Paulsson and R. Timpl, Solubilization of protein BM-40 from a basement membrane tumor with chelating agents and evidence for its identity with osteonectin and SPARC (218) 167
- Mannella, C.A. see K.W. Kinnally (226) 83
- Mansfield, R.W., J.A.M. Hubbard, J.H.A. Nugent and M.C.W. Evans, Extraction of electron acceptor A₁ from pea photosystem I (220) 74
- Mäntele, W. see W. Kühlbrandt (226) 275
- Mao, S.J.T. see J.L. Krstenansky (211) 10
- Mao, S.-Y., A.H. Maki and G.H. de Haas, Comparative optically detected magnetic resonance studies of mammalian phospholipase A₂-lipid interactions (211) 83
- Marchand, M.J. see M.I. Darville (224) 317
- Marchese, E. see P. Ferrara (226) 47
- Marcinkiewicz, M. see S. Benjannet (224) 142
- Maretzki, D. see M.M. Kostić (217) 163
- Margelin, D. see J. Gardette (225) 178
- Margolis, L.B., I.A. Rozovskaja and V.P. Skulachev, Acidification of the interior of Ehrlich ascites tumor cells by nigericin inhibits DNA synthesis (220) 288
- Marie, P.J. see A. Lomri (222) 311
- Marinetti, T., Counterion collapse and the effect of diamines on bacteriorhodopsin (216) 155
- Marinov, B.S. see N.V. Gulyaeva (211) 211
- Markovits, A. see G. Premecz (226) 13
- Marmé, D. see C. Bruns (212) 40
- Marmé, D. see C. Bruns (221) 23

- Marqués, S. see F.J. Florencio (223) 37
- Marrec, N. see F. Heymans (218) 35
- Marrero, H. and K.J. Rothschild, Bacteriorhodopsin's M₄₁₂ and BR₆₀₅ protein conformations are similar: Significance for proton transport (223) 289
- Marsal, J. see X. Guitart (219) 219
- Marsal, J. see X. Rabasseda (213) 337
- Marschall, H. -U., B. Egestad, H. Matern, S. Matern and J. Sjövall, Evidence for bile acid glucosides as normal constituents in human urine (213) 411
- Martin, B.M. see H.H. Valdivia (226) 280
- Martin, B.M. see M.R. Ruff (211) 17
- Martin, J. -L. see J. Breton (209) 37
- Martin, T.J. see A.E. Fletcher (208) 263
- Martin-Sanz, P., M. Cascales and L. Boscá, Fructose 2,6-bisphosphate in isolated foetal hepatocytes (225) 37
- Marti, T., K. Takio, K.A. Walsh, G. Terzi and J.W. Truman, Microanalysis of the amino acid sequence of the eclosion hormone from the tobacco hornworm *Manduca sexta* (219) 415
- Marti, T. see E. Takano (208) 199
- Maruyama, I., H. Oyamada, T. Hasegawa, K. Ohtsuka and K. Momose, Effect of DFP on loading of fura 2/AM and quin 2/AM into single smooth muscle cells prepared from guinea pig taenia coli (220) 89
- Maruyama, K. see M. Oosawa (213) 433
- März, L. see F. Altmann (221) 145
- Masliah, J., C. Kadiri, D. Pepin, T. Rybkine, J. Etienne, J. Chambaz and G. Berezat, Antigenic relatedness between phospholipases A₂ from *Naja naja* venom and from mammalian cells (222) 11
- Mason, R.P., J.K.M. Sanders and A. Cornish, In vivo enzymology: ¹³C NMR measurement of a kinetic isotope effect for methanol oxidation in *Methylosinus trichosporium* OB3b (216) 4
- Mason, R.P. see K.M. Morehouse (222) 246
- Massare, M.J. and H.A. Blough, Inhibition of herpesvirus-induced thymidine kinase and DNA polymerase by β -hydroxynorvaline (223) 122
- Masson, D., M. Zamai and J. Tschopp, Identification of granzyme A isolated from cytotoxic T-lymphocyte-granules as one of the proteases encoded by CTL-specific genes (208) 84
- Masson, P. see G. Lenzen (219) 254
- Matallana, E. see J.E. Pérez-Ortín (208) 31
- Matern, H. see H. -U. Marschall (213) 411
- Matern, S. see H. -U. Marschall (213) 411
- Matfield, M. see W.J. Brammar (215) 291
- Matheson, A.T. see W.G. Garland (220) 43
- Mato, J.M. see I. Varela (211) 64
- Mato, J.M. see K.L. Kelly (209) 238
- Matozaki, T. see M. Nagao (214) 107
- Matschinsky, F.M. see M. Prentki (220) 103
- Matsubara, H. see H. Oh-oka (218) 52
- Matsubara, H. see Y. Hirata (219) 369
- Matsubara, K. see N. Tomita (225) 113
- Matsuhashi, M. see M.D. Song (221) 167
- Matsumiya, H. see Y. Tsunoda (222) 149
- Matsumoto, S. see S. Ohno (222) 279
- Matsumoto, T. see H. Kai (212) 119
- Matsumoto, T. see H. Kai (221) 284
- Matsuno, T. see E.F. Sato (214) 181
- Matsuo, H. see T. Kubo (209) 367
- Matsuoka, I., B. Syoto, K. Kurihara and S. Kubo, ADP-ribosylation of specific membrane proteins in pheochromocytoma and primary-cultured brain cells by botulinum neurotoxins type C and D (216) 295
- Matsuoka, M. see M. Ohshima (225) 243
- Matsusaka, H. see T. Shinozawa (219) 293
- Matsuzawa, H. see H. Adachi (226) 150
- Mattera, R. see W.N. Suki (220) 187
- Matthew, J.B. see J.J. Huang (223) 294
- Matthews, E.K. see G. Yonushot (213) 401
- Mattingly, R.R., M.L. Dreher and M.R. Hanley, Down-regulation of phorbol diester binding to NG115-401L neuronal cells is dependent on structure, concentration and time (223) 11
- Matveet, Ya.A. see S.V. Chekalin (216) 245
- Matveeva, N.M., T.M. Khlebodarova, G.I. Karasik, N.B. Rubtsov, O.L. Serov, E.D. Sverdlov, N.E. Broude, N.N. Modyanov, G.S. Monastyrskaya and Yu.A. Ovchinnikov, Chromosomal localization of the gene coding for α -subunit of Na⁺, K⁺-ATPase in the American mink (*Mustela vison*) (217) 42
- Matveyev, A.V. see M. Szekeres (222) 89
- Mauk, A.G. see R.T. Hartshorn (213) 391
- Mauk, M.R. see R.T. Hartshorn (213) 391
- Maurer, A., A.T. Tu and P. Volpe, Crystallization of the Ca²⁺-ATPase of skeletal muscle sarcoplasmic reticulum: Inhibition by myotoxin α (224) 89
- Maurer, B. and R.M. Flügel, The 3'-orf protein of human immunodeficiency virus 2 shows sequence homology with the *bet3* gene of the human spumaretrovirus (222) 286
- Mauring, K., I. Renge and R. Avarmaa, A spectral hole-burning study of long-wavelength chlorophyll *a* forms in greening leaves at 5 K (223) 165
- Mawer, E.B. see M.E. Hayes (220) 307
- Mawhinney, T.P. see H.C. Riethman (215) 209
- Mayer, F. see G.-W. Kohring (216) 207
- Mayer, R.J. see D.G. Fernig (210) 165
- Mayeux, P., C. Billat and R. Jacquot, Murine erythroleukaemia cells (Friend cells) possess high-affinity binding sites for erythropoietin (211) 229
- Mayfield, M.B. see K. Miki (210) 199
- Mayor, F. see M.C. Aragón (212) 87
- Mayr, G.W. and W. Dietrich, The only inositol tetrakisphosphate detectable in avian erythrocytes is the isomer lacking phosphate at position 3: a NMR study (213) 278
- Mazabraud, A. see A. Viel (223) 232
- Mazat, J.-P. see P. Dabadie (226) 77
- Mazière, C., S. Goldstein, M. Moreau, J.C. Mazière and J. Polonovski, Aspirin induces alterations in low-density lipoprotein and decreases its catabolism by cultured human fibroblasts (218) 243
- Mazière, J.C. see C. Mazière (218) 243
- Mazière, J.C. see J. Gardette (225) 178
- M'Bina, I. see J. Olive (208) 308
- Mbikay, M. see S. Benjannet (224) 142
- McConkey, D.J. see G.A. Moore (224) 331
- McCracken, J. see D.M. Dooley (214) 274
- McDougall, J. and R.N. Nazar, Accessibility of phosphodiester bonds in the yeast ribosomal 5 S RNA protein complex (209) 52
- McGee Tucker, M. see M.L. Ernst-Fonberg (215) 261
- McGinn, M.T. see J.M. Mullin (221) 359
- McGuirl, M.A. see D.M. Dooley (214) 274
- McLaughlin, C.S. see M.F. Tuite (225) 205
- McLeod, A.N. see H. Jhoti (219) 419
- McLick, J. see A. Hakam (212) 73
- McNaughton, G.A.L. see G.A. Nimmo (213) 18
- Meggio, F., A.M. Brunati and L.A. Pinna, Polycation-dependent, Ca²⁺-antagonized phosphorylation of calmodulin by casein kinase-2 and a spleen tyrosine protein kinase (215) 241
- Meggio, F. see P. Agostinis (224) 385
- Megyeri, K. see I. Rosztóczy (208) 56
- Mehta, P.P. see G.M. Olins (224) 325

- Meier, P.J. see J.C. Griffiths (213) 34
- Melandri, B.A. see G. Venturoli (219) 477
- Meldolesi, J. see A. Pandiella-Alonso (208) 48
- Melin, P.-M., M. Sommarin, A.S. Sandelius and B. Jergil, Identification of Ca^{2+} -stimulated polyphosphoinositide phospholipase C in isolated plant plasma membranes (223) 87
- Melis, A. see S. Demeter (214) 370
- Melkov, A.M. see E.D. Sverdllov (217) 275
- Melkov, A.M. see Yu.A. Ovchinnikov (213) 73
- Ménez, A. see O. Trémeau (208) 236
- Merati, G. and G. Zanetti, Chemical cross-linking of ferredoxin to spinach thylakoids: Evidence for two independent binding sites of ferredoxin to the membrane (215) 37
- Mercer, E. see T.E. Cawston (209) 9
- Merenmies, J. see J. Laitinen (217) 94
- Merlevede, W. see J.R. Vandenheede (211) 190
- Merlevede, W. see J.R. Vandenheede (216) 291
- Merlevede, W. see P. Agostinis (224) 385
- Mertens, E., E. Van Schaftingen and H.-G. Hers, Fructose 2,6-bisphosphate and the control of the energy charge in higher plants (221) 124
- Meshi, T. see Y. Watanabe (219) 65
- Mesland, D. see W. Homan (215) 323
- Mészáros, G. see L. Buday (223) 15
- Metcalfe, J.C. see G. Yonuschot (213) 401
- Metelev, V.G., G.V. Zayakina, I.L. Ryabushenko, N.F. Krynetskaya, E.A. Romanova, T.S. Oretskaya and Z.A. Shabarova, Influence of probe structure on unique (region-specific) cleavage of RNA by RNase H (226) 232
- Mettrione, R.M., H. Schweitz and K.A. Walsh, The amino acid sequence of toxin Rp_{III} from the sea anemone, *Radianthus paumotensis* (218) 59
- Metters, K.M. see N.G. Seidah (211) 144
- Meijer, A.J. see X.M. Leverve (219) 455
- Meyer, M.S., R. Alon and S. Shibolet, Increased 25-hydroxyvitamin D levels in portal blood following cholecystokinin injection in the dog (212) 138
- Michalak, K., J. Gutowicz and T. Modrzycka, Fluorescent probe studies on binding of glyceraldehyde-3-phosphate dehydrogenase to phosphatidylinositol liposomes: Further evidence for conformational changes (219) 233
- Michalski, T.J., C. Bradshaw, J.E. Hunt, J.R. Norris and J.J. Katz, Triton X-100 reacts with chlorophyll in the presence of chlorophyllase (226) 72
- Michel, H.P. and J. Bennett, Identification of the phosphorylation site of an 8.3 kDa protein from photosystem II of spinach (212) 103
- Michel, H. see H.P. Braun (221) 221
- Michel-Beyerle, M.E. see H.P. Braun (221) 221
- Michelson, A.M. see M.E. Schinina (221) 87
- Michoudet, C. and G. Baverel, Metabolism of acetaldehyde in human and baboon renal cortex: Ethanol synthesis by isolated baboon kidney-cortex tubules (216) 113
- Migala, A. see W. Hasselbach (221) 119
- Migliore-Samour, D. see J. Berthou (218) 55
- Migus, A. see J. Breton (209) 37
- Mikami, A. see T. Kubo (209) 367
- Mikami, K., T. Tabata, T. Kawata, T. Nakayama and M. Iwabuchi, Nuclear protein(s) binding to the conserved DNA hexameric sequence postulated to regulate transcription of wheat histone genes (223) 273
- Miki, K., V. Renganathan, M.B. Mayfield and M.H. Gold, Aromatic ring cleavage of a β -biphenyl ether dimer catalyzed by lignin peroxidase of *Phanerochaete chrysosporium* (210) 199
- Mildner, P. see V. Mrša (217) 174
- Miles, H.T. see V. Sklenář (208) 94
- Milgrom, Ya.M. and M.B. Murataliev, Characterization of the nucleotide tight-binding sites of the isolated mitochondrial $\text{F}_1\text{-ATPase}$ (219) 156
- Milgrom, Ya.M. and M.B. Murataliev, On the rate of $\text{F}_1\text{-ATPase}$ turnover during ATP hydrolysis by the single catalytic site: Evidence that hydrolysis with a slow rate of product release does not occur at the alternating active site (222) 32
- Milgrom, Ya.M. and M.B. Murataliev, Steady-state rate of $\text{F}_1\text{-ATPase}$ turnover during ATP hydrolysis by the single catalytic site (212) 63
- Milhaud, G. see S. Minvielle (223) 63
- Milia, A. see K.H. Cheeseman (209) 191
- Millar, R.P. see C.E. Smith (225) 247
- Miller, C.G. see Z. Xue (223) 391
- Miller, jr, R.C. see M.L. Langsford (225) 163
- Millet, P. see A. Brossi (214) 291
- Millet, P. see A. Brossi (223) 77
- Milligan, G. see J. Falloon (209) 352
- Milligan, G. see R.M. O'Brien (212) 281
- Millner, P.A., Are guanine nucleotide-binding proteins involved in regulation of thylakoid protein kinase activity? (226) 155
- Milne, I.H. see J. Simpson (217) 62
- Milton, G. see A.P. Jahagirdar (219) 83
- Mimuro, M., N. Tamai, T. Yamazaki and I. Yamazaki, Excitation energy transfer in spinach chloroplasts: Analysis by the time-resolved fluorescence spectrum at -196°C in the picosecond time range (213) 119
- Minami, Y. see K. Ishidoh (226) 33
- Minami, Y. see K. Suzuki (220) 271
- Minami, Y. see S. Imajoh (215) 274
- Minassian, G. see B. Rothhut (219) 169
- Minassian, S. see N. Dyatkina (219) 151
- Minchiotti, L. see M. Galliano (208) 364
- Minegishi, T., J. Wang and P.C.K. Leung, Luteinizing hormone-releasing hormone (LHRH)-induced arachidonic acid release in rat granulosa cells: Role of calcium and protein kinase C (214) 139
- Mineyev, A.P. and A.P. Razjivin, Statistics of the photon distribution in the set of photosynthetic antenna domains (223) 187
- Minotti, G. see S. Borrello (209) 305
- Minowa, O. see M. Ikura (219) 17
- Minvielle, S., M. Cressent, M.C. Delehay, N. Segond, G. Milhaud, A. Jullienne, M.S. Moukhtar and F. Lasmoles, Sequence and expression of the chicken calcitonin gene (223) 63
- Mirande, M. see M. Lazard (216) 27
- Mire-Sluis, A.R. see R.G. Wickremasinghe (220) 52
- Mishina, M. see S. Noguchi (225) 27
- Mishina, M. see T. Kurosaki (214) 253
- Mishina, M. see T. Nukada (211) 5
- Mishina, M. see T. Tobimatsu (222) 56
- Misumi, Y. see K. Oda (214) 135
- Mitani, T. see Y. Seino (223) 74
- Mitchell, P., A new redox loop formality involving metal-catalysed hydroxide-ion translocation: A hypothetical Cu loop mechanism for cytochrome oxidase (222) 235
- Mittre, H. see A. Benhaim (223) 321
- Miwa, M. see H. Shima (209) 289
- Miwa, S. see K. Kuwajima (221) 115
- Miwatani, T. see Y. Shimonishi (215) 165
- Miyahara, M. see E.F. Sato (214) 181
- Miyamoto, K. see J. Abe (226) 58
- Miyamoto, T., J.A. Lindgren, T. Hökfelt and B. Samuelsson, Regional distribution of leukotriene and mono-hydroxyeicosatetraenoic acid production in the rat brain: Highest leukotriene C_4 formation in the hypothalamus (216) 123

- Miyashiro, H. see V. Sklenář (208) 94
 Miyashiro, S. see N. Tsuchimori (218) 205
 Miyata, Y. see M. Hoshi (217) 237
 Miyaoura, C. see J. Abe (226) 58
 Miyaoura, C. see T. Hayashi (218) 200
 Miyazaki, T. see Y. Uehara (208) 352
 Miyoshi, T. see M. Hoshi (217) 237
 Mizutani, T. and T. Hitaka, Stronger affinity of reticulocyte release factor than natural suppressor tRNA^{Ser} for the opal termination codon (226) 227
 Mockel, J. see I. Graff (210) 204
 Modak, M.J. see V.N. Pandey (213) 204
 Modrzycka, T. see K. Michalak (219) 233
 Modyanov, N.N. see E.D. Sverdlov (217) 275
 Modyanov, N.N. see E.D. Sverdlov (221) 129
 Modyanov, N.N. see N.M. Matveeva (217) 42
 Modyanov, N.N. see Yu.A. Ovchinnikov (213) 73
 Modyanov, N.N. see Yu.A. Ovchinnikov (217) 111
 Modyanov, N.N. see Yu.A. Ovchinnikov (217) 269
 Mogre, R.M., H.F. Batliwala, P.S.R. Anjaneyulu and A.K. Lala, A new carbene based heterobifunctional reagent: Photochemical crosslinking of aldolase (221) 408
 Mojsilovic, L. see D.R. Cooper (214) 122
 Mokhova, E.N. see A.Yu. Andreyev (226) 265
 Molle, G., H. Duclouhier and G. Spach, Voltage-dependent and multi-state ionic channels induced by trichorzianines, anti-fungal peptides related to alamethicin (224) 208
 Möller, W. see G.D.F. Maessen (208) 77
 Möller, W. see G.D.F. Maessen (223) 181
 Mollinedo, F. and D.L. Schneider, Intracellular organelle motility and membrane fusion processes in human neutrophils upon cell activation (217) 158
 Momayez, M. see B. Stecher (223) 25
 Mommsen, T.P., P.C. Andrews and E.M. Plisetskaya, Glucagon-like peptides activate hepatic gluconeogenesis (219) 227
 Momose, K. see I. Maruyama (220) 89
 Monastyrskaya, G.S. see E.D. Sverdlov (217) 275
 Monastyrskaya, G.S. see E.D. Sverdlov (221) 129
 Monastyrskaya, G.S. see N.M. Matveeva (217) 42
 Monastyrskaya, G.S. see Yu.A. Ovchinnikov (213) 73
 Montecucco, C. see E. Papini (215) 73
 Monteiro, M.J. and R.A. Cox, Differential expression of an α -tubulin gene during the development of *Physarum polycephalum* (217) 260
 Montenarh, M. and D. Müller, The phosphorylation at Thr 124 of simian virus 40 large T antigen is crucial for its oligomerization (221) 199
 Montesinos, C. see R. Serrano (208) 143
 Montfoort, A., K. Bezstarosti, M.M.J. Groh and J.F. Koster, The influence of the chain length of aldehydes on the fluorescence of chromolipids (226) 101
 Montibeller, J. see J.P. Rieker (212) 154
 Moody, A.J., F. Norris, K. Norris, M.T. Hansen and L. Thim, The secretion of glucagon by transformed yeast strains (212) 302
 Moolenaar, W.H. see L.G.J. Tertoolen (214) 365
 Moonen, P., R. Gaffner and P. Wingfield, Native cytokines do not bind to uromodulin (Tamm-Horsfall glycoprotein) (226) 314
 Moore, D.C.M. see I.N.M. Day (222) 139
 Moore, G.A., D.J. McConkey, G.E.N. Kass, P.J. O'Brien and S. Orrenius, 2,5-Di(*tert*-butyl)-1,4-benzohydroquinone – a novel inhibitor of liver microsomal Ca²⁺ sequestration (224) 331
 Moore, G.R. see R.T. Hartshorn (213) 391
 Moore, S.E. see J. Thompson (219) 135
 Moorhouse, P.C., M. Grootveld, B. Halliwell, J.G. Quinlan and J.M.C. Gutteridge, Allopurinol and oxypurinol are hydroxyl radical scavengers (213) 23
 Moosburger, K. see J. Striessnig (212) 247
 Morávek, L., O. Kühnemund, J. Havlíček, P. Kopecký and M. Pavlík, Type I M protein of *Streptococcus pyogenes*: N-terminal sequence and peptic fragments (208) 435
 Moreau, J. and K. Scherrer, Co-evolution of base composition and codon usage in *Xenopus laevis* and human globin genes with long-range DNA organization of their genome (221) 3
 Moreau, M. see C. Mazière (218) 243
 Morehouse, K.M., W.D. Flitter and R.P. Mason, The enzymatic oxidation of Desferal to a nitroxide free radical (222) 246
 Morel-Laurens, N. see P.C. Bibb (209) 169
 Mori, H. see E. Takano (208) 199
 Mori, H. see J. Yamaguchi (213) 329
 Mori, H. see M. Maki (223) 174
 Mori, T. see N. Tomita (225) 113
 Mori, Y. see T. Kurosaki (214) 253
 Mori, Y. see T. Tobimatsu (222) 56
 Morich, F. see G. Theiss (218) 159
 Morikawa, M. see J. Abe (226) 58
 Morimoto, Y.M. see E.F. Sato (214) 181
 Morin, J.-P. see D. Chansel (220) 247
 Moritz, R.L. see R.J. Simpson (224) 128
 Morningstar, J.E. see M.K. Johnson (226) 129
 Moron, J.P. see C. Gaboriaud (224) 149
 Morozov, S.Yu., L.I. Lukasheva, B.K. Chernov, K.G. Skryabin and J.G. Atabekov, Nucleotide sequence of the open reading frames adjacent to the coat protein cistron in potato virus X genome (213) 438
 Morozov, S.Yu. see V.V. Dolja (214) 308
 Morris, A.P., C.M. Fuller and D.V. Gallacher, Cholinergic receptors regulate a voltage-insensitive but Na⁺-dependent calcium influx pathway in salivary acinar cells (211) 195
 Morrison, C.A., R.V. Fishleigh, D.J. Ward and B. Robson, Computer-aided design and physiological testing of a luteinising hormone-releasing hormone analogue for 'adjuvant-free' immunocastration (214) 65
 Morrison, D.F., M.A. Rider and D.J. Takemoto, Modulation of retinal transducin and phosphodiesterase activities by synthetic peptides of the phosphodiesterase γ -subunit (222) 266
 Morrow, C. see B. Pearce (211) 73
 Mosbach, K. see L. Bülow (210) 147
 Moser, B. see M.L. Langsford (225) 163
 Motorin, Y.A., A.D. Wolfson, A.F. Orlovsky and K.L. Gladilin, Purification of valyl-tRNA synthetase high-molecular-mass complex from rabbit liver (220) 363
 Motta, A., T. Tancredi and P.A. Temussi, Nuclear Overhauser effects in linear peptides: A low-temperature 500 MHz study of Met-enkephalin (215) 215
 Moudgil, V.K., Steroid receptors in health and disease: An Oakland University-Serono Symposia, USA Conference, September 20–23, 1987, Meadow Brook Hall, Rochester, MI 48309-9908, USA (226) 213
 Moukhtar, M.S. see S. Minvielle (223) 63
 Moulinoux, J.P. see J.G. Delcros (220) 236
 Moura, I. see G.D. Fauque (215) 63
 Moura, J.J.G. see G.D. Fauque (215) 63
 Moustaid, N. see M.K. Agarwal (217) 221
 Movva, N.R. see P. Wingfield (215) 160
 Mowbray, J. see W.E. Thomas (223) 279
 Mrigank, see B. Chandrasekhar (225) 151
 Mrigank, see K. Gopalakrishna (215) 95
 Mrša, V., S. Barbarić, B. Ries and P. Mildner, Role of glycosylation in secretion of yeast acid phosphatase (217) 174
 Mukherjee, B.B. see G.R. Laverdure (222) 261

- Muldrow, L.L., G.C. Ibeanu, N.I. Lee, N.K. Bose and J. Johnson, Molecular cloning of *Clostridium difficile* toxin A gene fragment in λ gtII (213) 249
- Mullany, P.P. see B.W. Wren (225) 82
- Müller, D. see M. Montenarh (221) 199
- Müller, V. see M. Blaut (215) 53
- Müller-Taubenberger, A. see M. Westphal (209) 92
- Mullin, J.M. and M.T. McGinn, The phorbol ester, TPA, increases transepithelial epidermal growth factor flux (221) 359
- Multimäki, P. see V.-M. Kähäri (215) 331
- Muno, D. see T. Isobe (223) 92
- Murachi, T. see E. Takano (208) 199
- Murachi, T. see M. Maki (223) 174
- Muradov, K.G. see Yu.A. Ovchinnikov (223) 169
- Murakami, N. see T. Konishi (226) 270
- Muramatsu, T. see H.K. Mangold (220) 220
- Murataliev, M.B. see Ya.M. Milgrom (212) 63
- Murataliev, M.B. see Ya.M. Milgrom (219) 156
- Murataliev, M.B. see Y.M. Milgrom (222) 32
- Murayama, A. see C. Fukazawa (224) 125
- Murazumi, N., K. Yokoyama, Y. Araki and E. Ito, An enzyme catalyzing the liberation of *N*-acetylglucosamine from *N*-acetylglucosaminyl pyrophosphorylpolyprenol in *Bacillus polymyxa* membranes (218) 131
- Murdoch, F.A. see M. Bushfield (222) 299
- Murer, H. see K. Malmström (216) 257
- Murphy, J.B. see M.I. Khamis (211) 155
- Murphy, P.M., B. Eide, P. Goldsmith, M. Brann, P. Gierschik, A. Spiegel and H.L. Malech, Detection of multiple forms of G_{i2} in HL60 cells (221) 81
- Murphy, S. see B. Pearce (211) 73
- Murray, P.G. see J. Ginsberg (226) 223
- Muscillo, M. see A.M. Vaccaro (216) 190
- Musgrave, A. see W. Homan (215) 323
- Müssig, J. see M. Shoham (208) 321
- Mustayev, A.A. see Yu.A. Ovchinnikov (217) 111
- Mustelin, T., GTP dependence of the transduction of mitogenic signals through the T3 complex in T lymphocytes indicates the involvement of a G-protein (213) 199
- Musto, N.A. see G.L. Hammond (215) 100
- Muthukrishnan, S. see C.-S. Wang (222) 135
- Mutt, V. see Z. Chen (226) 43
- Muzya, G.I., E.N. Korobkova, N.K. Golovanova and L.D. Bergelson, Influence of prostaglandins on the lipid transfer between human high density and low density lipoproteins (220) 371
- Myatt, J.F. see N.P.J. Cotton (219) 88
- Myatt, J.F. see W. Crielgaard (225) 6
- Mynbeek, G. see A.J. Aarsman (219) 176
- Nagase, F. see Y. Kuwana (219) 360
- Nagase, H. and K. Brew, Amino acid sequence of a 32-residue region around the thiol ester site in duck ovostatin (222) 83
- Nagata, S., H. Günther, J. Bader and H. Simon, Mitochondria catalyze the reduction of NAD by reduced methylviologen (210) 66
- Nagy, J.I. see J.D. Geiger (208) 431
- Najjar, V.A. see N.J. Bump (226) 303
- Nakada, H. see A. Kurosaka (215) 137
- Nakagawa, S. see Y. Kuroda (224) 137
- Nakajima, H., T. Noguchi, T. Yamasaki, N. Kono, T. Tanaka and S. Tarui, Cloning of human muscle phosphofructokinase cDNA (223) 113
- Nakajima, R. see S. Hashimoto (208) 305
- Nakaki, T. see N. Sasakawa (223) 413
- Nakamura, M. see H. Kai (212) 119
- Nakamura, M. see H. Kai (221) 284
- Nakamura, M. see H. Kanaide (214) 130
- Nakamura, M. see M. Fujii (223) 299
- Nakamura, T., K. Nawa, A. Ichihara, N. Kaise and T. Nishino, Purification and subunit structure of hepatocyte growth factor from rat platelets (224) 311
- Nakamura, T. see K. Akiyama (225) 168
- Nakamura, T. see M. Sato (224) 29
- Nakano, H. see T. Tanimoto (226) 291
- Nakano, M. see K. Sugioka (210) 37
- Nakano, M. see Y. Sugioka (223) 251
- Nakashima, I. see Y. Kuwana (219) 360
- Nakayama, H., H. Shikano, T. Aoyama, T. Amano and Y. Kanaoka, Affinity purification of the opioid receptor in NG 108-15 cells using an avidin-biotin system with a novel elution method (208) 278
- Nakayama, H. see Y. Kuroda (224) 137
- Nakayama, T. see K. Mikami (223) 273
- Nakazato, M. see T. Hiyama (214) 97
- Nandan, D. see G.A. Cates (218) 195
- Naor, Z. see C.E. Smith (225) 247
- Narbonne, J.F. see Z. Ameliazad (220) 231
- Narindrasorasak, S. see G.A. Cates (218) 195
- Närvalen, A. see O. Närvalen (224) 156
- Närvalen, O., A. Närvalen, V.-M. Wasenius, P. Partanen and I. Virtanen, A monoclonal antibody against a synthetic peptide reveals common structures among spectrins and α -actinin (224) 156
- Närvalen, O. see V.M. Wasenius (221) 73
- Nash, B. see S.S. Tate (211) 133
- Nasmith, P.E. and S. Grinstein, Are Ca^{2+} channels in neutrophils activated by a rise in cytosolic free Ca^{2+} ? (221) 95
- Nass, G.S. see L.F. Levinger (209) 340
- Nath, A. see G.P. Püschel (219) 145
- Natori, S. see K. Itoh (213) 85
- Navaroli, F. see L.E. Mallea (218) 143
- Navarro, J. see B.F. Dickey (219) 289
- Nave, R. see D. Fürst (224) 49
- Nawa, K. see T. Nakamura (224) 311
- Nazar, R.N. see J. McDougall (209) 52
- Neale, P.J. see S. Demeter (214) 370
- Nebreda, A.R., C.R. Vazquez, T.G. Villa, J.R. Villanueva and F. del Rey, Heterogeneous glycosylation of the *EXG1* gene product accounts for the two extracellular exo- β -glucanases of *Saccharomyces cerevisiae* (220) 27
- Neckers, L. see D. Katsaros (223) 97
- Nedergaard, J. see A. Jacobsson (224) 353
- Nedospasov, A.A. see J. Šimůth (218) 163
- Négrerie, M. see D. Aslanian (219) 202
- Neher, E. see R. Penner (226) 307
- Neidle, S. see L.H. Pearl (209) 269
- Nelson, B. see Z. Dancshazy (209) 44
- Nelson, D.A. see Q.A. Vu (220) 79
- Nabiev, I.R. see N.G. Abdulaev (213) 113
- Naccache, P.H. see L. Beaumier (221) 289
- Nagai, Y. see N. Rodrig (221) 315
- Nagamura, T. see K. Kuwajima (221) 115
- Nagao, M., C. Sakamoto, T. Matozaki and S. Baba, Disulfide bonds within the α -subunit of insulin receptors in rat liver and brain membranes (214) 107
- Nagasawa, H. see H. Jhoti (219) 419
- Nagasawa, S. see M. Yamazaki (208) 147

N

- Nelson, D. see M. Erecińska (213) 61
- Nestel, P.J. see P.D. Roach (222) 159
- Nettelblad, F.A. and L. Engström, The kinetic effects of in vitro phosphorylation of rabbit muscle enolase by protein kinase C: A possible new kind of enzyme regulation (214) 249
- Neumann, J.M. see G. Bloch (219) 464
- Neupert, W. see N. Pfanner (209) 152
- Neuser, D. and P. Bellemann, Receptor binding, cGMP stimulation and receptor desensitization by atrial natriuretic peptides in cultured A10 vascular smooth muscle cells (209) 347
- Neuser, D. see G. Theiss (218) 159
- Nevinsky, G.A. see O.I. Lavrik (216) 225
- Nevinsky, G.A. see S.V. Doronin (216) 221
- Newsholme, E.A. see B. Leighton (225) 93
- Newsome, P. see I. Dodd (209) 13
- Newton, R.C. see J.J. Huang (223) 294
- Nexø, B.A. see E. Boel (219) 181
- Nicchitta, C.V., S.K. Joseph and J.R. Williamson, Polyethylene glycol-stimulated microsomal GTP hydrolysis: Relationship to GTP-mediated Ca^{2+} release (209) 243
- Nice, E.C. see R.J. Simpson (224) 128
- Nicholls, N.J. and J.O. Lampen, Repressor gene, *blaI*, for *Bacillus licheniformis* 749 β -lactamase: (221) 179
- Nicholls, P. see C.E. Cooper (223) 155
- Nicholson, J.K. see J.D. Bell (215) 311
- Nicholson, P., R.W. Osborn and C.J. Howe, Induction of protein synthesis in response to ultraviolet light, nalidixic acid and heat shock in the cyanobacterium *Phormidium laminosum* (221) 110
- Nickerson, J.M. see T. van Veen (208) 133
- Nicolay, K., E.B. Smaal and B. de Kruijff, Ethylene glycol causes acyl chain disordering in liquid-crystalline, unsaturated phospholipid model membranes, as measured by ^2H NMR (209) 33
- Nicotra, P., P. Hartzell, G. Davis and S. Orrenius, The formation of plasma membrane blebs in hepatocytes exposed to agents that increase cytosolic Ca^{2+} is mediated by the activation of a non-lysosomal proteolytic system (209) 139
- Niedermann, G. see J. Lasch (214) 13
- Nielsen, H.V. see J.E. Celis (220) 1
- Nielsen, J.R., H.S. Hansen and B. Jensen, Arginine-vasopressin stimulates the formation of phosphatidic acid in rat Leydig cells (218) 93
- Nielsen, L.S. see P.A. Andreasen (209) 213
- Nielsen, O.V. see J.J. Holst (211) 169
- Nielsen, P.S. and K. Gausing, The precursor of barley plastocyanin: Sequence of cDNA clones and gene expression in different tissues (225) 159
- Nieto, J.L. see M.A. Jiménez (221) 320
- Nijkamp, F.P. see F. Engels (209) 249
- Nikandrov, V.V. see A.A. Krasnovsky (219) 93
- Nikiforov, T. see B. Appelhans (224) 14
- Nikolsky, N.N. see L.V. Teslenko (221) 105
- Nilges, M., G.M. Clore and A.M. Gronenborn, A simple method for delineating well-defined and variable regions in protein structures determined from interproton distance data (219) 11
- Nilges, M. see G.M. Clore (213) 269
- Nimmo, G.A., G.A.L. McNaughton, C.A. Fewson, M.B. Wilkins and H.G. Nimmo, Changes in the kinetic properties and phosphorylation state of phosphoenolpyruvate carboxylase in *Zea mays* leaves in response to light and dark (213) 18
- Nimmo, H.G. see G.A. Nimmo (213) 18
- Ninio, J. see P.J. Lecomte (221) 194
- Nishida, E. see M. Hoshi (217) 237
- Nishida, E. see Y. Ohta (208) 423
- Nishida, E. see Y. Ohta (222) 305
- Nishii, Y. see J. Abe (226) 58
- Nishikawa, Y. see V. Witzemann (223) 104
- Nishimoto, S., H. Akutsu and Y. Kyogoku, The presence of the 30 nm filament structure of chromatin in intact chicken erythrocytes observed by ^{31}P NMR (213) 293
- Nishimura, C. see D. Carper (220) 209
- Nishimura, M. see J. Yamaguchi (213) 329
- Nishimura, M. see Y. Isogai (224) 71
- Nishino, T. see T. Nakamura (224) 311
- Nishitani, H. see M. Ohta (222) 79
- Nishizuka, Y. see M. Ido (219) 215
- Nishizuka, Y. see U. Kikkawa (217) 227
- Nishizuka, Y. see U. Kikkawa (223) 212
- Nishizuka, Y. see Y. Ono (226) 125
- Nissenson, C. see S.C. Huang (216) 128
- Nitschke, W. and G. Hauska, An asymmetric low-spin EPR signal of cytochrome b_6 in the cytochrome b_6f -complex from spinach chloroplasts (213) 453
- Nitschke, W. see K. Ziegler (217) 16
- Nitschke, W., U. Feiler, W. Lockau and G. Hauska, The photosystem of the green sulfur bacterium *Chlorobium limicola* contains two early electron acceptors similar to photosystem I (218) 283
- Nitta, K., H. Tsuge, S. Sugai and K. Shimazaki, The calcium-binding property of equine lysozyme (223) 405
- Nixon, P.J., T.A. Dyer, J. Barber and C.N. Hunter, Immunological evidence for the presence of the D1 and D2 proteins in PS II cores of higher plants (209) 83
- Niznik, H.B., D.E. Grigoriadis and P. Seeman, Photoaffinity labelling of dopamine D_2 receptors by [^3H]azidomethylspiperone (209) 71
- Noegel, A. see M. Westphal (209) 92
- Noegel, A., W. Witke and M. Schleicher, Calcium-sensitive non-muscle α -actinin contains EF-hand structures and highly conserved regions (221) 391
- Noguchi, S., M. Mishina, M. Kawamura and S. Numa, Expression of functional $(\text{Na}^+ + \text{K}^+)\text{-ATPase}$ from cloned cDNAs (225) 27
- Noguchi, S. see T. Hiwasa (211) 23
- Noguchi, T. see H. Nakajima (223) 113
- Noguez, P. see Y. Le Bouc (222) 181
- Nohl, H., A novel superoxide radical generator in heart mitochondria (214) 269
- Nojima, H., Molecular evolution of the calmodulin gene (217) 187
- Noll, K.M. see D. Ankel-Fuchs (213) 123
- Nomura, K., Specificity of prolyl endopeptidase (209) 235
- Nomura, Y. and M. Tohda, Inhibitory effects of pertussis toxin on a depolarization-evoked Ca^{2+} influx in NG108-15 cells (216) 40
- Nordmann, R. see F. Bauché (219) 296
- Nordstedt, C., M. Jondal and B.B. Fredholm, Activation of protein kinase C inhibits prostaglandin- and potentiates adenosine receptor-stimulated accumulation of cyclic AMP in a human T-cell leukemia line (220) 57
- Norling, B., B. Hamasur and E. Glaser, Cross-reconstitution of isolated $\text{F}_1\text{-ATPase}$ from potato tuber mitochondria with F_1 -depleted beef heart and yeast submitochondrial particles (223) 309
- Norling, B. see E. Glaser (223) 304
- Norman, R.I., A.J. Burgess, E. Allen and T.M. Harrison, Monoclonal antibodies against the 1,4-dihydropyridine receptor associated with voltage-sensitive Ca^{2+} channels detect similar polypeptides from a variety of tissues and species (212) 127
- Norris, F. see A.J. Moody (212) 302
- Norris, J.R. see T.J. Michalski (226) 72
- Norris, K. see A.J. Moody (212) 302
- North, A.C.T. see D.K. Stammers (218) 178

- North, M.J. see P.W. Watt (215) 295
 Northoff, H. see T. Andus (221) 18
 Norton, J.D., B. Leber and J.C. Yaxley, Patterns of gene expression during plasmacytoid differentiation of chronic lymphocytic leukaemia cells (215) 127
 Nose, K. see M. Itami (222) 289
 Noteborn, H.P.J.M., J.P.H. Burbach and I. Ebels, Modified forms of vasopressin and oxytocin in a bovine pineal preparation (216) 200
 Notton, B.A. see M.J. Barber (213) 372
 Noumi, T., M. Maeda and M. Futai, Mode of inhibition of sodium azide on H^+ -ATPase of *Escherichia coli* (213) 381
 Noumi, T. see S.-Y. Hsu (218) 222
 Novoselov, V.I. see E.E. Fesenko (219) 224
 Novotný, J. and R.E. Brucoleri, Correlation among sites of limited proteolysis, enzyme accessibility and segmental mobility (211) 185
 Nucci, D. see M. Bigio (218) 271
 Nugent, J.H.A. see R.W. Mansfield (220) 74
 Nuijs, A.M. see R.V. Danielius (213) 241
 Nukada, T., M. Mishina and S. Numa, Functional expression of cloned cDNA encoding the α -subunit of adenylate cyclase-stimulating G-protein (211) 5
 Numa, S. see S. Noguchi (225) 27
 Numa, S. see T. Kubo (209) 367
 Numa, S. see T. Kurosaki (214) 253
 Numa, S. see T. Nukada (211) 5
 Numa, S. see T. Tobimatsu (222) 56
 Numa, S. see V. Witzmann (223) 104
 Numata, Y. see A. Kurosaka (215) 137
 Nunez, D. see J. Benveniste (226) 371
 Nussbaum, O. and A. Loyter, Quantitative determination of virus-membrane fusion events: Fusion of influenza virions with plasma membranes and membranes of endocytic vesicles in living cultured cells (221) 61
 NüBe, O. see M. Lindau (222) 317
 Nutman, T.B. see A.P. Weetman (211) 69
 Nuutinen, M. see J. Londesborough (219) 249
 Nybroe, O. see E. Bock (225) 33
 Nygren, P., R. Larsson, E. Lindh, S. Ljunghall, J. Rastad, G. Åkerström and E. Gylfe, Bimodal regulation of secretion by cytoplasmic Ca^{2+} as demonstrated by the parathyroid (213) 195
- O**
- Obara, M., M.S. Kang, S. Rocher-Dufour, A. Kornblihtt, J.P. Thiery and K.M. Yamada, Expression of the cell-binding domain of human fibronectin in *E. coli*: Identification of sequences promoting full to minimal adhesive function (213) 261
 Oberbäumer, I. see U. Schwarz-Magdolen (208) 203
 Oberdieck, U. see F. Hucho (211) 207
 Obidin, A.B. see N.V. Gulyaeva (211) 211
 O'Brien, C.A., W.L. Arthur and I.B. Weinstein, The activation of protein kinase C by the polyphosphoinositides phosphatidylinositol 4,5-diphosphate and phosphatidylinositol 4-monophosphate (214) 339
 O'Brien, E. see E.A. Usanga (209) 23
 O'Brien, P.J. see G.A. Moore (224) 331
 O'Brien, R.M., K. Siddle, M.D. Houslay and A. Hall, Interaction of the human insulin receptor with the ras oncogene product p21 (217) 253
 O'Brien, R.M., M.D. Houslay, G. Milligan and K. Siddle, The insulin receptor tyrosyl kinase phosphorylates holomeric forms of the guanine nucleotide regulatory proteins G_i and G_o (212) 281
 Octave, J.N. see M.I. Darville (224) 317
 Oda, K., S. Hirose, N. Takami, Y. Misumi and A.T. and Yukio Ikehara, Brefeldin A arrests the intracellular transport of a precursor of complement C3 before its conversion site in rat hepatocytes (214) 135
 Odani, S. see T. Koide (216) 17
 O'Donoghue, D.J. see M.E. Hayes (220) 307
 Oehen, S., J. Parsons, D.A. Jans and B.A. Hemmings, Recombinant type I regulatory subunit of the cAMP-dependent protein kinase is biologically active (220) 47
 Oesch, F. see Z. Ameliazad (220) 231
 Oesterheld, D. see R. Diller (217) 297
 Oetting, M., M. LeBoff, L. Swiston, J. Preston and E. Brown, Guanine nucleotides are potent secretagogues in permeabilized parathyroid cells (208) 99
 Ogawa, M. see N. Tomita (225) 113
 Ogawara, H. see M. Hoshi (217) 237
 Ogden, D.C. see T. Capiod (217) 247
 Ogg, D. see D.K. Stammers (218) 178
 Ogita, K. see U. Kikkawa (217) 227
 Ogita, K. see U. Kikkawa (223) 212
 Ogita, K. see Y. Ono (226) 125
 Ogren, W.L. see M.E. Salvucci (221) 215
 Oh-oka, H., Y. Takahashi, K. Wada, H. Matsubara, K. Ohyama and H. Ozeki, The 8 kDa polypeptide in photosystem I is a probable candidate of an iron-sulfur center protein coded by the chloroplast gene *frxA* (218) 52
 Ohad, I. see A. Gal (221) 205
 O'Hara, D.M. and P.E. Reynolds, Antibody used to identify penicillin-binding protein 2' in methicillin-resistant strains of *Staphylococcus aureus* (MRSA) (212) 237
 Ohara, O. and H. Teraoka, Anomalous behavior of human leukocyte interferon subtypes on polyacrylamide gel electrophoresis in the presence of dodecyl sulfate (211) 78
 O'Hare, M., L.M. Roberts, P.E. Thorpe, G.J. Watson, B. Prior and J.M. Lord, Expression of ricin A chain in *Escherichia coli* (216) 73
 O'Hare, M.M.T. see T.W. Schwartz (225) 209
 Ohashi, Y. see M. Ohshima (225) 243
 Ohishi, I. see F.A. Al-Mohanna (219) 40
 Ohkura, K. see S. Inoue (218) 17
 Ohmori, D. see T. Isobe (223) 92
 Ohmori, T. see T. Tanimoto (226) 291
 Ohmura, Y., H. Teraoka and K. Tsukada, A protein-tyrosine kinase in the nuclear matrix from rat liver (208) 451
 Ohnishi, J.-I. and R. Kanai, Na-induced uptake of pyruvate into mesophyll chloroplasts of a C_4 plant, *Panicum miliaceum* (219) 347
 Ohnishi, T. see J. Telser (214) 117
 Ohno, S., M. Aoshima, S. Matsumoto, I. Yahara and K. Suzuki, A yeast gene coding for a putative protein kinase homologous to *cdc25* suppressing protein kinase (222) 279
 Ohno, S. see K. Ishidoh (226) 33
 Ohno, S. see K. Kubo (223) 138
 Ohno, S. see K. Suzuki (220) 271
 Ohshima, M., M. Matsuoka, N. Yamamoto, Y. Tanaka, Y. Kano-Murakami, Y. Ozeki, A. Kato, N. Harada and Y. Ohashi, Nucleotide sequence of the PR-1 gene of *Nicotiana tabacum* (225) 243
 Ohta, K. see M. Ohta (222) 79

- Ohta, M., K. Ohta, H. Nishitani and K. Hayashi, Primary structure of α -bungarotoxin: Six amino acid residues differ from the previously reported sequence (222) 79
- Ohta, S., K. Goto, H. Arai and Y. Kagawa, An extremely acidic amino-terminal presequence of the precursor for the human mitochondrial hinge protein (226) 171
- Ohta, T. see H. Adachi (226) 150
- Ohta, Y., E. Nishida and H. Sakai, Type II Ca^{2+} /calmodulin-dependent protein kinase binds to actin filaments in a calmodulin-sensitive manner (208) 423
- Ohta, Y., T. Akiyama, E. Nishida and H. Sakai, Protein kinase C and cAMP-dependent protein kinase induce opposite effects on actin polymerizability (222) 305
- Ohtani, K. see M. Fujii (223) 299
- Ohtsuka, E. see H. Inoue (215) 327
- Ohtsuka, K. see I. Maruyama (220) 89
- Ohyama, K. see H. Fukuzawa (220) 61
- Ohyama, K. see H. Oh-oka (218) 52
- Oinuma, M. see T. Katada (213) 353
- Oka, T. see K. Enomoto (223) 82
- Okabe, T. and K. Sobue, Identification of a new 84/82 kDa calmodulin-binding protein, which also interacts with actin filaments, tubulin and spectrin, as synapsin I (213) 184
- Okada, H. see M. Ueda (220) 31
- Okada, Y. see Y. Watanabe (219) 65
- Okon, E.B. and N.N. Vsevolodov, Does bacteriorhodopsin energize the membranes of animal mitochondria under light? (216) 241
- Okumura, T. see H. Fukuzawa (220) 61
- Okuyama, T. see T. Ichimura (219) 79
- Okuyama, T. see T. Isobe (223) 92
- Olafsson, I. see M. Abrahamson (216) 229
- Olins, G.M., P.P. Mehta, D.J. Blehm, D.R. Patton, M.E. Zupiec, D.E. Whipple, F.S. Tjoeng, S.P. Adams, P.O. Olins and J.K. Gierse, Phosphorylation of high- and low-molecular-mass atrial natriuretic peptide analogs by cyclic AMP-dependent protein kinase (224) 325
- Olins, P.O. see G.M. Olins (224) 325
- Olive, J., I. M'Bina, C. Vernet, C. Astier and F.A. Wollman, Randomization of the EF particles in thylakoid membranes of *Synechocystis* 6714 upon transition from state I to state II (208) 308
- Oliver, M. see M.K. Johnson (226) 129
- Olivera, B.M. see D.H. Feldman (214) 295
- Olkinuora, M. see L. Keso (215) 105
- Olsson, H., P. Strålfors and P. Belfrage, Phosphorylation of the basal site of hormone-sensitive lipase by glycogen synthase kinase-4 (209) 175
- Olsson, R.A. see D. Ukena (209) 122
- Olsson, R.A. see D. Ukena (215) 203
- O'Neill, L.A.J., M.L. Barrett and G.P. Lewis, Induction of cyclo-oxygenase by interleukin-1 in rheumatoid synovial cells (212) 35
- Ono, S., S. Lee, Y. Kadera, H. Aoyagi, M. Waki, T. Kato and N. Izumiya, Environment-dependent conformation and antimicrobial activity of a gramicidin S analog containing leucine and lysine residues (220) 332
- Ono, T. see I. Vass (211) 215
- Ono, Y. see U. Kikkawa (217) 227
- Ono, Y. see U. Kikkawa (223) 212
- Ono, Y., T. Fujii, K. Ogita, U. Kikkawa, K. Igarashi and Y. Nishizuka, Identification of three additional members of rat protein kinase C family: δ -, ϵ - and ζ -subspecies (226) 125
- Oono, K. see F. Takaïwa (221) 43
- Oosawa, M. and K. Maruyama, Reannealing of phalloidin-treated actin filaments during recovery after sonication and its inhibition by β -actinin (213) 433
- Oosterwijk, C. see P. de Pagter-Holthuis (214) 259
- Opekarová, M., A.J.M. Driessen and W.N. Konings, Protonmotive-force-driven leucine uptake in yeast plasma membrane vesicles (213) 45
- Oplatka, A. see P.I. Lelkes (208) 357
- Oppenheimer, C. see P.A. Andreassen (209) 213
- O'Rourke, F., G.B. Zavoico, L.H. Smith, jr and M.B. Feinstein, Stimulus-response coupling in a cell-free platelet membrane system: GTP-dependent release of Ca^{2+} by thrombin, and inhibition by pertussis toxin and a monoclonal antibody that blocks calcium release by IP_3 (214) 176
- Oretskaya, T.S. see V.G. Metelev (226) 232
- Orlovsky, A.F. see Y.A. Motorin (220) 363
- Ornatsky, O.I. see M.A. Glukhova (218) 292
- Orrenius, S. see G.A. Moore (224) 331
- Orrenius, S. see P. Nicotera (209) 139
- Ørskov, C. see J.J. Holst (211) 169
- Osanaï, T. see N. Rodrig (221) 315
- Osborn, M. see D. Fürst (224) 49
- Osborn, R.W. see P. Nicholson (221) 110
- Oshiro, S., N. Katsura, K. Kitada and N. Gunge, A simple method for extraction of DNA from fungi and yeasts with anhydrous hydrogen fluoride (220) 383
- Oshtrakh, M.I. and V.A. Semionkin, Mössbauer spectroscopy of haemoglobins: Study of the relationship of Fe^{2+} electronic and molecular structure of the active site (208) 331
- Osuna, C., A. Galván and M. Lucas, Impaired calcium sequestration activity in liver microsomes from fasted rats (211) 41
- O'Toole, L. see J.M. Conlon (214) 50
- Oursel, A., A. Escoffier, J.C. Kader, J.P. Dubacq and A. Trémolières, Last step in the cooperative pathway for galactolipid synthesis in spinach leaves: formation of mono-galactosyldiacylglycerol with C18 polyunsaturated acyl groups at both carbon atoms of the glycerol (219) 393
- Óvádi, J. see P. Tompa (214) 244
- Ovchinnikov, Y.A. see E.D. Sverdlov (221) 129
- Ovchinnikov, Yu.A., G.S. Monastyrskaya, N.E. Broude, R.L. Allikmets, Yu.A. Ushkaryov, A.M. Melkov, Yu.V. Smirnov, I.V. Malyshev, I.E. Dulubova, K.E. Petrukhin, A.V. Gryshin, V.E. Sverdlov, N.I. Kiyatkin, M.B. Kostina, N.N. Modyanov and E.D. Sverdlov, The family of human Na^+ , K^+ -ATPase genes: A partial nucleotide sequence related to the α -subunit (213) 73
- Ovchinnikov, Yu.A., K.N. Dzhandzhugazyan, S.V. Lutsenko, A.A. Mustayev and N.N. Modyanov, Affinity modification of E_i-form of Na^+ , K^+ -ATPase revealed Asp-710 in the catalytic site (217) 111
- Ovchinnikov, Yu.A., N.M. Arzamazova, E.A. Arystarkhova, N.M. Gevondyan, N.A. Aldanova and N.N. Modyanov, Detailed structural analysis of exposed domains of membrane-bound Na^+ , K^+ -ATPase: A model of transmembrane arrangement (217) 269
- Ovchinnikov, Yu.A. see A.S. Arseniev (213) 283
- Ovchinnikov, Yu.A. see E.D. Sverdlov (217) 275
- Ovchinnikov, Yu.A. see N.M. Matveeva (217) 42
- Ovchinnikov, Yu.A., V.V. Gubanov, N.V. Khramtsov, K.A. Ischenko, V.E. Zagranichny, K.G. Muradov, T.M. Shuvaeva and V.M. Lipkin, Cyclic GMP phosphodiesterase from bovine retina: Amino acid sequence of the α -subunit and nucleotide sequence of the corresponding cDNA (223) 169
- Ovchinnikov, Yu.A., V.Z. Slepak, A.N. Pronin, A.B. Shlensky, N.B. Levina, V.L. Voeikov and V.M. Lipkin, Primary structure of bovine cerebellum GTP-binding protein G_{30} and its effect on the adenylate cyclase system (226) 91
- Overath, P. see B. Ehlers (225) 53
- Overath, P. see F. Jähnig (221) 37
- Owada, M.K. see H. Hayashi (223) 267
- Owens, R.J. see B. Carnemolla (215) 269

Oxborough, K., P. Lee and P. Horton, Regulation of thylakoid protein phosphorylation by high-energy-state quenching (221) 211

Oyamada, H. see I. Maruyama (220) 89

Ozawa, F. see T. Yamakuni (223) 117

Ozeki, H. see H. Oh-oka (218) 52

Ozeki, Y. see M. Ohshima (225) 243

P

Paccaud, J.-P. see J.A. Schifferli (213) 415

Padgett, W.L. see D. Ukena (209) 122

Padgett, W.L. see D. Ukena (215) 203

Pagala, M.K. see R.J. Bradley (224) 277

Pagès, J.M. see J.M. Bolla (224) 213

Pain, R.H. see P. Wingfield (211) 179

Pairault, J. see B. Feve (219) 56

Palace, G.P., J.E. Franke and J.T. Warden, Is phyloquinone an obligate electron carrier in photosystem I? (215) 58

Paleologue, A., J.P. Reboud and A.-M. Reboud, Modifications of 60 S ribosomal subunits induced by the ricin A chain (208) 373

Pallet, V. see M. Savart (216) 22

Palmblad, J. see C.N. Serhan (217) 242

Palmer, G. see J. Telser (214) 117

Palmqvist, K. see L.-G. Sundblad (209) 28

Palombini, G. see S. Borrello (209) 305

Pan, R.L. see B.-D. Hsu (217) 53

Panchenko, L.F. see V.D. Antonenkov (224) 357

Pandey, V.N., S.B. Amrute, J.G. Satav and M.J. Modak, Inhibition of terminal deoxynucleotidyl transferase by adenine dinucleotides: Unique inhibitory action of Ap5A (213) 204

Pandiella-Alonso, A., A. Malgaroli, L.M. Vicentini and J. Meldolesi, Early rise of cytosolic Ca^{2+} induced by NGF in PC12 and chromaffin cells (208) 48

Pannuti, A. see A. Pascucci (226) 297

Pannuti, A. see L. Lania (219) 400

Papa, S. see F. Guerrieri (213) 67

Papas, T.S. see K.P. Samuel (218) 81

Papini, E., R. Colonna, G. Schiavo, F. Cusinato, M. Tomasi, R. Rappuoli and C. Montecucco, Diphtheria toxin and its mutant *crm* 197 differ in their interaction with lipids (215) 73

Papós, M. see I. Rosztóczy (208) 56

Pappin, D.J.C. see A. Cavaggioni (212) 225

Paquin, J. see N.G. Seidah (211) 144

Parente, J.E. see J. Ginsberg (226) 223

Parés, X. see T. Fairwell (222) 99

Parini, C. see P.L. Manachini (214) 305

Parker, K.R., L.E. Schachter, J.W. Lewis, K.L. Zeman, D.S. Kliger and E.A. Dratz, Mg^{2+} -ATP induces filament growth from retinal rod outer segments with disrupted plasma membranes (211) 35

Parrack, P., D. Dasgupta, J. Ayer and V. Sasisekharan, Interaction of synthetic analogs of distamycin with DNA: Role of the conjugated *N*-methylpyrrole system in specificity of binding (212) 297

Parsonage, D. see T.M. Duncan (208) 1

Parsons, J. see S. Oehen (220) 47

Partanen, P. see O. Närvänen (224) 156

Pascall, J.C. see A.J. Harmar (208) 67

Paschenko, V.Z., B.N. Korvatovsky, S.L. Logunov, A.A.

Kononenko, P.P. Knox, N.I. Zakharova, N.P. Grishanova and A.B. Rubin, Modification of protein hydrogen bonds influences the efficiency of picosecond electron transfer in bacterial photosynthetic reaction centers (214) 28

Pascucci, A., A. Pannuti, G. La Mantia and L. Lania, Sequences both 5' and 3' to the transcription initiation site contribute to the ability of a mouse H-2 gene to respond to type I interferon (226) 297

Pasternak, G. see R. Grosse (210) 123

Pastuszko, A., D.K. Yee and D.F. Wilson, Regulation of calcium uptake in synaptosomes from rat brain by DL-2-amino-5-phosphonovaleric acid (218) 189

Patarroyo, M., E.A. Clark, J. Prieto, C. Kantor and C.G. Gahmberg, Identification of a novel adhesion molecule in human leukocytes by monoclonal antibody LB-2 (210) 127

Patel, H. see M. Beggs (215) 13

Patel, S.D. see F.G.P. Earley (219) 108

Patil, D.S. see E. Samain (216) 140

Patsch, W. see C. Yang (224) 261

Patterson, S. see M.J.O. Wakelam (210) 181

Patthey, J.-P. and J. Deshusses, Accessibility of *Trypanosoma brucei* procyclic glycosomal enzymes to labeling agents of various sizes and charges (210) 137

Pathy, L., Intron-dependent evolution: preferred types of exons and introns (214) 1

Patton, C.L. see P.G. Penketh (221) 427

Patton, D.R. see G.M. Olins (224) 325

Patton, S. and G.E. Huston, Differences between individuals in high- M_r glycoproteins from human mammary epithelia (216) 151

Pattus, F. see B. Dargent (220) 136

Paulsson, M. see K. Mann (218) 167

Pauwels, S. see H. Desmond (210) 185

Pavlik, M. see L. Morávek (208) 435

Pavlovitch, J.H. see C.P. Schelling (214) 21

Payne, W.E. and B.L. Trumpower, A simple, one-step purification of cytochrome *b* from the *bc*₁ complexes of bacteria (213) 107

Payne, W.J. see M.-C. Liu (218) 227

Pearce, B., J. Jeremy, C. Morrow, S. Murphy and P. Dandona, Inositol phospholipids are probably not the source of arachidonic acid for eicosanoid synthesis in astrocytes (211) 73

Pearce, I.A., M.A. Cambray-Deakin and R.D. Burgoyne, Glutamate acting on NMDA receptors stimulates neurite outgrowth from cerebellar granule cells (223) 143

Pearl, L.H. and S. Neidle, Origins of stereospecificity in DNA damage by *anti*-benzo[*a*]pyrene diol-epoxides: A molecular modelling study (209) 269

Pearl, L.H., The catalytic mechanism of aspartic proteinases (214) 8

Pecceu, F. see P. Ferrara (226) 47

Peck, jr, H.D. see M.-C. Liu, (218) 227

Peck, jr, H.D. see Y.M. Berlier (221) 241

Pedak, A. see V. Tóugu (225) 77

Peisach, J. see D.M. Dooley (214) 274

Pelton, J.T. see J.M. Berman (220) 214

Penketh, P.G., W.P.K. Kennedy, C.L. Patton and A.C. Sartorelli, Trypanosomatid hydrogen peroxide metabolism (221) 427

Penner, R. and E. Neher, Secretory responses of rat peritoneal mast cells to high intracellular calcium (226) 307

Penningroth, S.M., P.M. Rose and D.D. Peterson, Evidence that the 116 kDa component of kinesin binds and hydrolyzes ATP (222) 204

Pépin, D. see C. de Paillerets (219) 113

Pépin, D. see J. Masliah (222) 11

Perbal, B. see C. Kryceve-Martinerie (214) 81

- Perea, X. see J.-P. di Rago (208) 208
 Pérez-Ortín, J.E., F. Estruch, E. Matallana and L. Franco, Sliding-end-labelling: A method to avoid artifacts in nucleosome positioning (208) 31
 Périer, C. see F. Baklouti (223) 59
 Periquet, A. see Z. Amelizad (220) 231
 Perrotti, N. see S.A. Phillips (212) 141
 Perry, M.B. see D.R. Bundle (216) 261
 Persaud, S.J. see P.M. Jones (219) 139
 Pert, C.B. see M.R. Ruff (211) 17
 Perutz, M.F. see M. Brunori (221) 161
 Peschek, G.A. see B. Hinterstoisser (217) 169
 Peskar, B.A. see U. Hoppe (208) 26
 Peskar, B.M. see U. Hoppe (208) 26
 Peskin, A.V. and G. Bartosz, One-electron reduction of an anthracycline antibiotic carminomycin by a human erythrocyte redox chain (219) 212
 Peterajová, E. see L. Varečka (225) 173
 Petersen, J. see D.A. Klærke (216) 211
 Petersen, N.O. see P.L. Vandewalle (210) 195
 Petersen, O.H. see M.J. Dunne (208) 59
 Petersen, V.B. see J. Furmaniak (215) 316
 Peterson, D.D. see S.M. Penningroth (222) 204
 Petit, J.-F. see J.-P. Tenu (220) 93
 Petra, P.H. see B.G. Que (219) 405
 Petratos, K., D.W. Banner, T. Beppu, K.S. Wilson and D. Tsernoglou, The crystal structure of pseudoazurin from *Alcaligenes faecalis* S-6 determined at 2.9 Å resolution (218) 209
 Petrich, J. see J. Breton (209) 37
 Petrukhin, K.E. see E.D. Sverdlov (217) 275
 Petrukhin, K.E. see E.D. Sverdlov (221) 129
 Petrukhin, K.E. see Yu.A. Ovchinnikov (213) 73
 Peumans, W.J. see A.M. Vranken (216) 67
 Peumans, W.J. see E.J.M. Van Damme (215) 140
 Peumans, W.J. see W.F. Broekaert (220) 116
 Pezzella, K. see J.J. Huang (223) 294
 Pfaltz, A. see A. Kobelt (214) 265
 Pfaltz, A. see J. Ellermann (220) 358
 Pfanner, N. and W. Neupert, Transport of F_1 -ATPase subunit β into mitochondria depends on both a membrane potential and nucleoside triphosphates (209) 152
 Pfanzagl, B. see J. Berenguer (224) 401
 Pfeiffer, A. see B. Tocqué (222) 327
 Pfeiffer, A. see Y. Shimohigashi (222) 71
 Pfeleiderer, G. see J. Hönes (212) 193
 Phelps, M.E. see S.C. Huang (216) 128
 Philippot, J.R. see M. Vidal (216) 159
 Philippov, P.P. see V. Yu. Arshavsky (224) 19
 Phillips, J.W. see M.N. Berry (224) 201
 Phillips, S.A., N. Perrotti and S.I. Taylor, Rat liver membranes contain a 120 kDa glycoprotein which serves as a substrate for the tyrosine kinases of the receptors for insulin and epidermal growth factor (212) 141
 Philp, N.J., W. Chang and K. Long, Light-stimulated protein movement in rod photoreceptor cells of the rat retina (225) 127
 Picard, J. see J. Gardette (225) 178
 Pick, U. see K. Gounaris (211) 94
 Pieck, A.C.M., A.A.M. Rijken and F. Wanka, Nuclear matrix and chromosome scaffold preparations of in vitro cultured bovine liver cells have two proteins in common (212) 276
 Piefke, J., T. Arad, H.S. Gewitz, A. Yonath and H.G. Wittmann, The growth of ordered two-dimensional sheets of 70 S ribosomes from *Bacillus stearothermophilus* (209) 104
 Piiper, A. see V. Henne (218) 153
 Pin, S., R. Cortes and B. Alpert, XANES spectroscopy of carp hemoglobin-iron in correlation with the affinity changes of the protein for ligand (208) 325
 Piña, B. and P. Suañu, Changes in the proportions of histone H1^o subtypes in brain cortical neurons (210) 161
 Pinna, L.A. see F. Meggio (215) 241
 Pinna, L.A. see P. Agostinis (224) 385
 Piper, P.W., A. Lockheart and J. Bellatin, The effects of protein synthesis inhibition, and of mutations *rna1.1* and *rna82.1*, on the synthesis of small RNAs in yeast (214) 143
 Piper, P.W., B. Curran, W. Davies, K. Hirst and K. Seward, *Saccharomyces cerevisiae* mRNA populations of different intrinsic stability in unstressed and heat shocked cells display almost constant m⁷GpppA :m⁷GpppG 5'-cap structure ratios (220) 177
 Piriou, B. see J. Dexpert (225) 223
 Pirozhkov, S.V. see V.D. Antonenkov (224) 357
 Plat, H. see R. Wever (216) 1
 Plattner, H. see B. Stecher (223) 25
 Plattner, J.J. see H.L. Sham (220) 299
 Plijter, J.J. see R.V. Danielius (213) 241
 Plisetskaya, E.M. see T.P. Mommsen (219) 227
 Pliszka, B., Crosslinking of trypsin digested acto-heavy meromyosin as a probe of the affinity of the two myosin heads to actin (212) 254
 Plocke, D.J. see S.G. Whiteside (226) 250
 Plomp, P.J.A.M. see X.M. Leverte (219) 455
 Ploos van Amstel, H.K., A.L. van der Zanden, P.H. Reitsma and R.M. Bertina, Human protein S cDNA encodes Phe-16 and Tyr-222 in consensus sequences for the post-translational processing (222) 186
 Pochon, F., M. Tourbez, V. Favaudon and E. Delain, Covalent and non-covalent interaction of chymotrypsin with α_2 -macroglobulin (217) 101
 Pochon, F. see J. Dexpert (225) 223
 Podust, V.N. see O.I. Lavrik (216) 225
 Podust, V.N. see S.V. Doronin (216) 221
 Pogády, J. see L. Varečka (225) 173
 Poggioli, J. see D. Renard (217) 117
 Poglazov, B.F. see D.I. Levitsky (221) 77
 Polgár, L., The mechanism of action of aspartic proteases involves 'push-pull' catalysis (219) 1 Ponnambalam, S., A. Spassky and S. Busby, Studies with the *Escherichia coli* galactose operon regulatory region carrying a point mutation that simultaneously inactivates the two overlapping promoters: Interactions with RNA polymerase and the cyclic AMP receptor protein (219) 189
 Politi, L. see R. Scandurra (212) 79
 Pollard, H.B. see E. Rojas (217) 25
 Pollet, R.J. see D.R. Cooper (214) 122
 Pollock, W.K., S.O. Sage and T.J. Rink, Stimulation of Ca²⁺ efflux from fura-2-loaded platelets activated by thrombin or phorbol myristate acetate (210) 132
 Polonovski, J. see C. Mazière (218) 243
 Polya, G.M. see A. Lucantoni (221) 33
 Pon, C.L. see M. Lammi (215) 115
 Ponnambalam, S. and S. Busby, RNA polymerase molecules initiating transcription at tandem promoters can collide and cause premature transcription termination (212) 21
 Pontet, M. see R. Buchta (211) 165
 Poole, P.L. see D.J. Barlow (213) 423
 Poole, R.K. and H.D. Williams, Proposal that the function of the membrane-bound cytochrome a_1 -like haemoprotein (cytochrome *b*-595) in *Escherichia coli* is a direct electron donation to cytochrome *d* (217) 49
 Portier, M.-M. see A. Lomri (222) 311
 Portis, A.R. jr see M.E. Salvucci (221) 215
 Portugal, J. and M.J. Waring, Hydroxyl radical footprinting of the sequence-selective binding of netropsin and distamycin to DNA (225) 195

- Pöschl, E., I. Lindley, E. Hofer, J.-M. Seifert, W. Brunowsky and J. Besemer, The structure of procalcitonin of the salmon as deduced from its cDNA sequence (226) 96
- Possani, L.D. see H.H. Valdivia (226) 280
- Potts, J.R. see P.W. Kuchel (219) 5
- Pouyet, J. see E. Bertrand-Burggraf (215) 83
- Pouysségur, J. see I. Magaldi (210) 6
- Prangishvili, D.A. see R.P. Vashakidze (216) 217
- Praškevičius, A. see B. Kholodenko (223) 247
- Premecz, G., A. Markovits, G. Bagi, T. Farkas and I. Földes, Inositol phospholipid turnover and protein kinase C translocation are stimulated by poly(I) · poly(C) in human amnion cells (UAC) (226) 13
- Premereur, N. see C. Van den Branden (222) 21
- Prentki, M., M.C. Glennon, J.-F. Geschwind, F.M. Matschinsky and B.E. Corkey, Cyclic AMP raises cytosolic Ca^{2+} and promotes Ca^{2+} influx in a clonal pancreatic β -cell line (HIT T-15) (220) 103
- Preobrazhensky, A.A., A.I. Rodionova, I.N. Trakht and V.S. Rukosuev, Monoclonal antibodies against chordin: Use in structural and immunohistochemical studies (224) 23
- Preston, C., J.G. Altin, F.L. Bygrave and C. Critchley, Light induced calcium binding to mangrove PS II particles (210) 27
- Preston, C.M. see V.D. Appanna (215) 79
- Preston, J. see E. Brown (218) 113
- Preston, J. see M. Oetting (208) 99
- Pribilla, I. see F. Hucho (211) 207
- Prickril, B. see L.C. Sieker (208) 73
- Prieto, J.C. see M.J. Carmona (218) 73
- Prieto, J. see M. Patarroyo (210) 127
- Prieur, B. see A.J. Aarsman (219) 176
- Prieur, B. see B. Rothhut (219) 169
- Prince, R.C. see W.J. Jackson (215) 171
- Printseva, O.Yu. see M.A. Chernousov (217) 124
- Prior, B. see M. O'Hare (216) 73
- Prochaska, L.J. see P.S. Fink (214) 75
- Prochaska, L.J. see P.S. Fink (220) 263
- Prockop, D.J. see R. Soininen (225) 188
- Prohaska, R. see M. Krahmer (226) 105
- Pronin, A.N. see Yu.A. Ovchinnikov (226) 91
- Proudfoot, K. see K.H. Cheeseman (209) 191
- Ptitsyn, O.B. see G.V. Semisotnov (224) 9
- Ptitsyn, O.B. see R.I. Gilmanshin (223) 327
- Puget, K. see M.E. Schininà (221) 87
- Pullman, A. see Y. Trudelle (216) 11
- Pullman, B. see K.-X. Chen (224) 361
- Püschel, G.P., A. Nath and K. Jungermann, Increase of urate formation by stimulation of sympathetic hepatic nerves, circulating noradrenaline and glucagon in the perfused rat liver (219) 145
- Puustinen, T., M.M. Scheffer and B. Samuelsson, Endogenously generated 5-hydroperoxyeicosatetraenoic acid is the preferred substrate for human leukocyte lipoxygenase synthase activity (217) 265
- Pyne, N.J. see F. Irvine (208) 455
- Pyun, H.Y. see B.F. Dickey (219) 289

Q

- Quash, G. see J.G. Delcros (220) 236
- Que, B.G. and P.H. Petra, Characterization of a cDNA coding for sex steroid-binding protein of human plasma (219) 405

- Quennemet, J. see O. Dogbo (210) 211
- Quinlan, J.G. see P.C. Moorhouse (213) 23
- Qureshi, N. see C.A. Ellis (218) 238

R

- Rabasseda, X., C. Solsona, J. Marsal, G. Egea and B. Bizzini, ATP release from pure cholinergic synaptosomes is not blocked by tetanus toxin (213) 337
- Rack, M., D. Richter and N. Rubly, Purification and characterization of a β -toxin from the venom of the African scorpion *Leiurus quinquestriatus* (214) 163
- Råden, B. see M. Forsgren (213) 254
- Radunović, L. see S. Suzić (216) 287
- Ragab-Thomas, J. see J. Fauvel (221) 397
- Ragan, C.I. see F.G.P. Earley (219) 108
- Rall, T. and B.A. Harris, Identification of the lesion in the stimulatory GTP-binding protein of the uncoupled S49 lymphoma (224) 365
- Ramlal, T. see A. Klip (224) 224
- Ramos, J.L., M. Gonzalez-Carrero and K.N. Timmis, Broad-host range expression vectors containing manipulated *meta*-cleavage pathway regulatory elements of the TOL plasmid (226) 241
- Ramstein, J. see B. Hartmann (225) 11
- Rance, M. see W.J. Chazin (222) 109
- Randall, R.W., J.E. Tateson, J. Dawson and L.G. Garland, A commentary on the inhibition by retinoids of leukotriene B_4 production in leukocytes (214) 167
- Randle, P.J. see M. Beggs (215) 13
- Ranjeva, R. see M. Dillenschneider (208) 413
- Ranu, R.S., Regulation of protein synthesis in rabbit reticulocyte lysates: Thiophosphorylation of initiation factor eIF-2 by heme-regulated protein kinase (208) 117
- Ranu, R.S. see R.C. Roberts (209) 162
- Rao, M.V.R. see K. Gopalakrishna (215) 95
- Rapier, C., S. Wonnacott, G.G. Lunt and E.X. Albuquerque, The neurotoxin histrionicotoxin interacts with the putative ion channel of the nicotinic acetylcholine receptors in the central nervous system (212) 292
- Rapoport, B. see G. Damante (225) 264
- Rapoport, B. see R.P. Magnusson (208) 391
- Rapoport, H. see D.R.E. Macallan (226) 357
- Rapoport, H. see Y. Aracava (222) 63
- Rapoport, S., Misunderstanding or misrepresentation?: 'Reticulocyte lipoxygenase, ingensin, and ATP-dependent proteolysis' by Shoichi Ishiura, Tanihiro Yoshimoto and Claude A. Vilée [(1986) FEBS Lett. 201, 87–93] (215) 193
- Rapoport, S.M. see M.M. Kostić (217) 163
- Rappuoli, R. see E. Papini (215) 73
- Rappuoli, R. see M. Bigio (218) 271
- Rastad, J. see P. Nygren (213) 195
- Ratti, G. see M. Bigio (218) 271
- Rattigan, S. see E.A. Richter (217) 232
- Ratz, G.P. see J.E. Celis (223) 237
- Rauvala, H. see J. Laitinen (217) 94
- Ray, R. and U. Ganguly, The protein receptor for cholerabacteriophage ϕ 149 (213) 81
- Razjivin, A.P. see A.P. Mineyev (223) 187
- Reale, M. see P. Conti (225) 103
- Rebizova, T.V. see L.P. Sashchenko (226) 261
- Reboud, A.-M. see A. Paleologue (208) 373

- Reboud, A.-M. see J.-P. Laverne (216) 83
 Reboud, J.P. see A. Paleologue (208) 373
 Reboud, J.-P. see J.-P. Laverne (216) 83
 Reece, D. see Y.C. Lee (220) 243
 Reeck, G.R. see C.-S. Wang (222) 135
 Rees Smith, B. see J. Furmaniak (215) 316
 Reglinski, J., W.E. Smith, C.J. Suckling, M. Al-Kabban, I.D. Watson and M.J. Stewart, A ¹H spin echo NMR study of the HeLa tumour cell (214) 351
 Regoeczi, E. and P.A. Chindemi, Metabolic stability of the fucose in rat transferrin (222) 271
 Reinke, H. see T. Jansen (216) 234
 Reitsma, P.H. see H.K. Ploos van Amstel (222) 186
 Rempel, C.A. see H.L. Sham (220) 299
 Renard, D. and J. Poggiali, Does the inositol tris/tetrakisphosphate pathway exist in rat heart? (217) 117
 Renganathan, V. see K. Miki (210) 199
 Renge, I. see K. Mauring (223) 165
 Rennie, M.J. see P.A. MacLennan (215) 187
 Rennie, M.J. see P.M. Taylor (221) 370
 Repke, H. and M. Bienert, Mast cell activation – a receptor-independent mode of substance P action? (221) 236
 Reshef, L. see H. Cohen (223) 347
 Revazova, E.S. see L.P. Sashchenko (226) 261
 Reynolds, P.E. see D.M. O'Hara (212) 237
 Rhodes, C.J., C.A. Lucas and P.A. Halban, Glucose stimulates the biosynthesis of rat I and II insulin to an equal extent in isolated pancreatic islets (215) 179
 Ribadeau-Dumas, B. see C. Carles (212) 163
 Ribbons, D.W. see A.E.G. Cass (220) 353
 Riccio, A. see P.A. Andreasen (209) 213
 Rice, K.C. see B. DeCosta (223) 335
 Rice, K.C. see D.J.J. Carr (224) 272
 Richard, G. see F. Baklouti (223) 59
 Richardson, M., A. Yarwood and P. Rougé, The amino acid sequence of an atypical single-chain lectin from seeds of *Lathyrus sphaericus* (Retz) (216) 145
 Richter, D. see M. Rack (214) 163
 Richter, D. see S. Fehr (210) 45
 Richter, E.A., P.J.F. Cleland, S. Rattigan and M.G. Clark, Contraction-associated translocation of protein kinase C in rat skeletal muscle (217) 232
 Rico, M. see M.A. Jiménez (221) 320
 Rider, M.A. see D.F. Morrison (222) 266
 Rider, M.H. see M.I. Darville (224) 317
 Ried, G. and U. Henning, A unique amino acid substitution in the outer membrane protein OmpA causes conjugation deficiency in *Escherichia coli* K-12 (223) 387
 Riede, I., H. Schwarz and F. Jähnig, Predicted structure of tail-fiber proteins of T-even type phages (215) 145
 Rieker, J.P. and J.H. Collins, Phosphorylation of brush border myosin by brush border calmodulin-dependent myosin heavy and light chain kinases (223) 262
 Rieker, J.P., H. Swanlung-Collins, J. Montibeller and J.H. Collins, Brush border myosin heavy chain phosphorylation is regulated by calcium and calmodulin (212) 154
 Riemsens, T. see W. Siffert (212) 123
 Rienits, K.G. see U. Schreiber (211) 99
 Ries, B. see V. Mrša (217) 174
 Riethman, H.C., T.P. Mawhinney and L.A. Sherman, Phycobilisome-associated glycoproteins in the cyanobacterium *Anacystis nidulans* R 2 (215) 209
 Rigor, B.M. see A. Schurr (224) 4
 Rigoulet, M. see J.-J. Bessoule (214) 158
 Rijken, A.A.M. see A.C.M. Pieck (212) 276
 Rinaldi, A. see R.L.P. Adams (215) 266
 Ringer, D.P., B.A. Howell, J.L. Etheredge, J.A. Clouse and D.E. Kizer, Assessment of salvage pathways utilized for incorporation of exogenous pyrimidine nucleosides into DNA of guinea pig lymphocytes stimulated by Con A (224) 59
 Rink, T.J. see A.W.M. Simpson (222) 144
 Rink, T.J. see W.K. Pollock (210) 132
 Riou, G. see J.-F. Riou (213) 304
 Riou, J.-F., M. Dollet, J.-C. Ahomadegbe, D. Coulaud and G. Riou, Characterization of *Phytomonas* sp. kinetoplast DNA: A plant pathogenic trypanosomal species (213) 304
 Rizk, M. see C.P. Schelling (214) 21
 Roach, P.D., A.M. Kambouris, R.P. Trimble and D.L. Topping and P.J. Nestel, The effects of dietary fish oil on hepatic high density and low density lipoprotein receptor activities in the rat (222) 159
 Robert-Nicoud, M. see D.M. Soumpasis (213) 341
 Roberts, G.C.K. see B. Birdsall (217) 106
 Roberts, L.M. see M. O'Hare (216) 73
 Roberts, R.C. and R.S. Ranu, Regulation of protein synthesis in rabbit reticulocyte lysates: Requirement of initiation factor eIF-2 holoprotein for substrate specificity of heme-regulated protein kinase (209) 162
 Robertson, L.W. see Z. Ameliazad (220) 231
 Robillard, G.T., J.M. Schaaf and A.W. Teelken, Dithiols and monothiol are linked with GABA transport in membrane vesicles of rat brain synaptosomes (224) 391
 Robins, R.K. see D. Katsaros (223) 97
 Robins, R.K. see T. Clair (224) 377
 Robinson, A. and B. Austen, GTP-dependent ADP-ribosylation of a 22 kDa protein in the endoplasmic reticulum membrane (218) 63
 Robinson, D. see F.-Z. Chung (211) 200
 Robinson, J.H. see I. Dodd (209) 13
 Robinson, P.A., D. Wion and B.H. Anderton, Isolation of a cDNA for the rat heavy neurofilament polypeptide (NF-H) (209) 203
 Robinson, P.A. see J.-P. Brion (226) 28
 Robson, B. see C.A. Morrison (214) 65
 Robson, B. see R.V. Fishleigh (214) 219
 Rocchi, M. see M. Rugolo (212) 313
 Roch, A.M. see J.G. Delcros (220) 236
 Rochat, H. see J. Fauvel (216) 45
 Rochat, H. see J. Fauvel (221) 397
 Roche, E., F. Aniento, E. Knecht and S. Grisolia, 2,3-Bisphosphoglycerate inhibits ATP-stimulated proteolysis (221) 231
 Roche, E. see J.L. Vargas (224) 182
 Rocher-Dufour, S. see M. Obara (213) 261
 Rodionov, M.A., S.G. Galaktionov and A.A. Akhrem, Prediction of exposure degree diagram and sites of limited proteolysis in globular proteins as an approach to computer-aided design of protein bioregulators with prolonged action (223) 402
 Rodionova, A.I. see A.A. Preobrazhensky (224) 23
 Rodionova, N.A. see G.V. Semisotnov (224) 9
 Rodrig, N., T. Osanai, M. Iwamori and Y. Nagai, Gangliosides stimulate dome formation in cultured canine kidney epithelial cell line (MDCK) (221) 315
 Roels, F. see C. Van den Branden (222) 21
 Roersma, E.S. see C.E.M. Voorter (221) 249
 Roevens, P. see D. de Chaffoy de Courcelles (219) 283
 Rogard, M. see B. de Foresta (216) 107
 Rogers, L.J. see P. Hilditch (208) 313
 Rogez, D., R. Cerf, R. Andrianjara, S.-T. Salehi and H. Fouladgar, Ultrasonic studies of proton-transfer reactions at the catalytic site of α -chymotrypsin (219) 22

- Rögner, M., J.P. Dekker, E.J. Boekema and H.T. Witt, Size, shape and mass of the oxygen-evolving photosystem II complex from the thermophilic cyanobacterium *Synechococcus* sp. (219) 207
- Rögner, M. see E.J. Boekema (217) 283
- Rögner, M. see I. Witt (221) 260
- Rogozin, I.B. see N.A. Kolchanov (214) 87
- Röhm, K.-H. see J. Henseling (219) 27
- Rojas, E. and H.B. Pollard, Membrane capacity measurements suggest a calcium-dependent insertion of synexin into phosphatidylserine bilayers (217) 25
- Rojas, E. see R.M. Santos (220) 342
- Rojo, F. see J. Berenguer (224) 401
- Romano, V. see D. Fürst (224) 49
- Romanova, E.A. see V.G. Metelev (226) 232
- Romanowska, A. see E. Romanowska (211) 175
- Romanowska, E., A. Romanowska, J. Dabrowski and M. Hauck, Structure determination of the O-specific polysaccharides from *Citrobacter* O4- and O27-lipopolysaccharides by methylation analysis and one- and two-dimensional ^1H -NMR spectroscopy (211) 175
- Römbach, A. see E. Kojro (212) 83
- Romeo, G. see D. Fürst (224) 49
- Romeo, G. see M. Rugolo (212) 313
- Romhányi, T. see L. Buday (223) 15
- Rommerts, F.F.G. see L.E. Mallea (218) 143
- Roncero, C., J.M. Estrela and M. Benito, Adenine nucleotide compartmentation in foetal rat hepatocytes: Effects of atractyloside, oligomycin, calcium ionophore and adrenergic agonists (208) 105
- Rondinelli, E., R.S. de Moura-Neto, R. Silva, C.M. de Almeida Soares, J.F. Carvalho and F. Torres de Castro, Control of tubulin gene expression during metacyclogenesis of *Trypanosoma cruzi* (208) 379
- Roos, B.A. see J.W.M. Höppener (215) 122
- Roques, B.P. see J.-M. Zajac (216) 118
- Roques, V. see J. Fauvel (216) 45
- Roques, V. see J. Fauvel (221) 397
- Rose, P.M. see S.M. Penningroth (222) 204
- Rosemeyer, M.A. see A.A. Haritos (218) 107
- Rosenbusch, J. see B. Dargent (220) 136
- Rösener, S., G.S. Chhatwal and K. Aktories, Botulinum ADP-ribosyltransferase C3 but not botulinum neurotoxins C1 and D ADP-ribosylates low molecular mass GTP-binding proteins (224) 38
- Rosenheck, K. see P.I. Lelkes (208) 357
- Rosenthal, I., C.M. Krishna, G.C. Yang, T. Kondo and P. Riesz, A new approach for EPR detection of hydroxyl radicals by reaction with sterically hindered cyclic amines and oxygen (222) 75
- Rosenthal, W., T. Binder and G. Schultz, NADP efficiently inhibits endogenous but not pertussis toxin-catalyzed covalent modification of membrane proteins incubated with NAD (211) 137
- Rosie, R. see A.J. Harmar (208) 67
- Roskam, W. see P. Ferrara (226) 47
- Rospendowski, B.N. see K. Kelly (222) 120
- Rossi, R. see M. Bigio (218) 271
- Rossier, J. see B. Lambolez (219) 301
- Rossier, J. see N.G. Seidah (211) 144
- Rossiter, J.T. see A.E.G. Cass (220) 353
- Rostapshov, V.M. see E.D. Sverdlov (212) 233
- Rosztoczy, I., M. Papós and K. Megyeri, Different interferon-producing capacities of L929 cell sublines and the enhancement of interferon production by priming are controlled pretranslationally (208) 56
- Rotberg, J. see E. Brown (218) 113
- Roth, B., B. Schwendimann, G.J. Hughes, S.J. Tzartos and T. Barkas, A modified nicotinic acetylcholine receptor lacking the 'ion channel amphipathic helices' (221) 172
- Rother, C. see T. Jansen (216) 234
- Rothhut, B., C. Comera, B. Prieur, M. Errasfa, G. Minassian and F. Russo-Marie, Purification and characterization of a 32-kDa phospholipase A_2 inhibitory protein (lipocortin) from human peripheral blood mononuclear cells (219) 169
- Rothhut, B. see A.J. Aarsman (219) 176
- Rothman, R.B. see B. DeCosta (223) 335
- Rothschild, K.J. see H. Marrero (223) 289
- Rotstein, O.D., K. Houston and S. Grinstein, Control of cytoplasmic pH by Na^+/H^+ exchange in rat peritoneal macrophages activated with phorbol ester (215) 223
- Rougé, P. see M. Richardson (216) 145
- Rougeon, F. see M. Ekker (222) 337
- Roughley, B.S. see H.K. Mangold (220) 220
- Rouillé, Y. see M.T. Chauvet (210) 40
- Rouimi, P., J. Bonicel, M. Rivery and A. De Caro, Cleavage of the Arg-Ile bond in the native polypeptide chain of human pancreatic stone protein (216) 195
- Rouot, B. see M. Toutant (215) 339
- Rouot, B. see M. Toutant (222) 51
- Rousseau, G.G. see M.I. Darville (224) 317
- Rousset, M., G. Trugnan, J.-L. Brun and A. Zweibaum, Inhibition of the post-translational processing of microvillar hydrolases is associated with a specific decreased expression of sucrase-isomaltase and an increased turnover of glucose in Caco-2 cells treated with monensin (208) 34
- Rouyer-Fessard, C. see J.-C. Bozou (211) 151
- Rivery, M. see P. Rouimi (216) 195
- Roy, P. see Nisan Bhattacharyya (208) 386
- Royyuru, A.K. see K. Gopalakrishna (215) 95
- Rozovskaja, I.A. see L.B. Margolis (220) 288
- Rubin, A.B. see V.Z. Paschenko (214) 28
- Rubira, M.R. see R.J. Simpson (224) 128
- Rubly, N. see M. Rack (214) 163
- Rubtsov, N.B. see N.M. Matveeva (217) 42
- Rüdiger, W. see R. Grimm (225) 215
- Rudy, B. see A. Wolf (212) 203
- Rüegg, J.C. see A. Takai (217) 81
- Ruff, M.R., B.M. Martin, E.I. Ginns, W.L. Farrar and C.B. Pert, CD4 receptor binding peptides that block HIV infectivity cause human monocyte chemotaxis: Relationship to vasoactive intestinal polypeptide (211) 17
- Ruggiero, M. see G. Laffi (220) 217
- Rugolo, M., M. Rocchi, G. Lenaz and G. Romeo, Increased chloride efflux in fibroblasts from X-linked muscular dystrophies and clones from Duchenne carriers (212) 313
- Ruiz, O. see R.B. Frydman (219) 380
- Rukosuev, V.S. see A.A. Preobrazhensky (224) 23
- Rümbeli, R., F. Suter, M. Wirth, W. Sidler and H. Zuber, γ -N-Methylasparagine in phycobiliproteins from the cyanobacteria *Mastigocladus laminosus* and *Calothrix* (221) 1
- Runnebaum, B. see L. Kiesel (217) 85
- Russo-Marie, F. see A.J. Aarsman (219) 176
- Russo-Marie, F. see B. Rothhut (219) 169
- Ryabova, L.A., O.M. Selivanova, V.I. Baranov, V.D. Vasiliev and A.S. Spirin, Does the channel for nascent peptide exist inside the ribosome?: Immune electron microscopy study (226) 255
- Ryabushenko, I.L. see V.G. Metelev (226) 232
- Ryazanov, A.G., Ca^{2+} /calmodulin-dependent phosphorylation of elongation factor 2 (214) 331
- Ryazantsev, S.N. see S.D. Trakhanov (220) 319
- Ryba, N.J.P. see R. Wagner (221) 253
- Rybkin, T. see J. Masliah (222) 11
- Ryskov, A.P. see S.A. Limborska (212) 208

S

- Saarma, M. see H.-J. Kärger (220) 126
- Sabbatini, G.P. and C. von Holt, Carrier-free 8-azidoadenosine 5'-[γ - 32 P]triphosphate (224) 117
- Sacchetta, P. see D. Di Cola (210) 81
- Sachar, R.C. see R. Kaul (209) 63
- Sachse, G. see B. Appelhans (224) 14
- Sadée, W. see F.-J. Klinz (224) 43
- Sadler, P.J. see J.D. Bell (215) 311
- Sadler, P.J. see J.D. Bell (219) 239
- Saenger, W. see E.J. Boekema (217) 283
- Saenger, W. see I. Witt (221) 260
- Sage, S.O. see W.K. Pollock (210) 132
- Sainte-Marie, J. see M. Vidal (216) 159
- Sakaguchi, K. see Y. Shimohigashi (222) 251
- Sakai, H. see M. Hoshi (217) 237
- Sakai, H. see S. Maekawa (221) 68
- Sakai, H. see Y. Ohta (208) 423
- Sakai, H. see Y. Ohta (222) 305
- Sakai, K. see S. Dewhurst (213) 138
- Sakai, N., T. Umeda, H. Suzuki, Y. Ishimatsu and M. Shikita, Macrophage colony-stimulating factor purified from normal human urine: Amino-terminal sequence and amino acid composition (222) 341
- Sakakibara, S. see Y. Hirata (219) 369
- Sakamoto, C. see M. Nagao (214) 107
- Sakamoto, W., F. Satoh, K. Gotoh and S. Uehara, Ile-Ser-bradykinin (T-kinin) and Met-Ile-Ser-bradykinin (Met-T-kinin) are released from T-kininogen by an acid proteinase of granulomatous tissues in rats (219) 437
- Sakihama, N. see A. Hiwatashi (209) 311
- Sakihama, T. see E. Takano (208) 199
- Sakiyama, S. see T. Hiwasa (211) 23
- Saklatvala, J. see T.A. Bird (225) 21
- Sakmann, B. see V. Witzemann (223) 104
- Saks, V.A. see V.V. Kupriyanov (208) 89
- Sakurada, K. see Y. Uehara (208) 352
- Sakuragawa, N. see R. Yamagishi (225) 109
- Salehi, S.-T. see D. Rogez (219) 22
- Sales, N. see J.-M. Zajac (216) 118
- Sallenave, J.-M. and R. Bellot, Evidence of an α_2 -macroglobulin-like molecule in plasma of *Salamandra salamandra*: Structural and functional similarity with human α_2 -macroglobulin (219) 37
- Salles, J.-P. see J. Fauvel (216) 45
- Salnikow, J. see P. Fromme (218) 27
- Salomon, Y. see N.B. Garty (218) 148
- Salonen, E.-M. and A. Vaheri, Fibronectin-binding 36 kDa protein in human fibroblasts (221) 381
- Salter, A.M., S.C. Fisher and D.N. Brindley, Binding of low-density lipoprotein to monolayer cultures of rat hepatocytes is increased by insulin and decreased by dexamethasone (220) 159
- Saluja, D. see R. Kaul (209) 63
- Salvioli, R. see A.M. Vaccaro (216) 190
- Salvucci, M.E., A.R. Portis jr, U. Heber and W.L. Ogren, Stimulation of thylakoid energization and ribulose-bisphosphate carboxylase/oxygenase activation in *Arabidopsis* leaves by methyl viologen (221) 215
- Samain, E., D.S. Patil, D.V. DerVartanian, G. Albagnac and J. LeGall, Isolation of succinate dehydrogenase from *Desulfobulbus elongatus*, a propionate oxidizing, sulfate reducing bacterium (216) 140
- Sample, C.E. and D.F. Steiner, Tissue-specific binding of a nuclear factor to the insulin gene promoter (222) 332
- Samuel, K.P., A. Seth, A. Konopka, J.A. Lautenberger and T.S. Papas, The 3'-orf protein of human immunodeficiency virus shows structural homology with the phosphorylation domain of human interleukin-2 receptor and the ATP-binding site of the protein kinase family (218) 81
- Samuels, D.S., T. Tojo, M. Homma and N. Shimizu, Inhibition of topoisomerase I by antibodies in sera from scleroderma patients (209) 231
- Samuelsson, B. see C.N. Serhan (217) 242
- Samuelsson, B. see T. Miyamoto (216) 123
- Samuelsson, B. see T. Puustinen (217) 265
- Samuelsson, G. see L.-G. Sundblad (209) 28
- Sanchez, A. see J.M. Collazos (215) 183
- Sánchez, J.A. see A. Guerrero (220) 295
- Sanchez, J., B.E. Uhlin, T. Grundström, J. Holmgren and T.R. Hirst, Immunoactive chimeric ST-LT enterotoxins of *Escherichia coli* generated by in vitro gene fusion (208) 194
- Sancho, J.I. see M.J. Carmena (218) 73
- Sandelius, A.S. see P.-M. Melin (223) 87
- Sanders, J.K.M. see R.P. Mason (216) 4
- Sandford, C.A. see T. Capiod (217) 247
- Santoro, J. see M.A. Jiménez (221) 320
- Santoro, L. see R. Scandurra (212) 79
- Santos, H. and D.L. Turner, Proton NMR studies of horse ferricytochrome c: Completion of the assignment of the well resolved hyperfine shifted resonances (226) 179
- Santos, R.M. and E. Rojas, Evidence for modulation of cell-to-cell electrical coupling by cAMP in mouse islets of Langerhans (220) 342
- Sanwal, B.D. see G.A. Cates (218) 195
- Sapotsky, M.V. see Yu.F. Drygin (215) 247
- Saraste, M., CO III gene in bacteria: 'Homology between bacterial DNA and bovine mitochondrial DNA encoding cytochrome c oxidase subunit III' by Pamela S. Fink, Tracy Whitford, Michael Leffak and Lawrence J. Prochaska [(1987) FEBS Lett. 214, 75–80] (220) 262
- Saraste, M. see V.-M. Wasenius (221) 73
- Sarkadi, B. see L. Hunyady (225) 72
- Sartorelli, A.C. see P.G. Penketh (221) 427
- Sartorio, R. see P.A. Andreasen (209) 213
- Sasada, R. see T. Kurokawa (213) 189
- Sasakawa, N., T. Nakaki, S. Yamamoto and R. Kato, Inositol trisphosphate accumulation by high K^+ stimulation in cultured adrenal chromaffin cells (223) 413
- Sasaki, T. and H. Hasegawa-Sasaki, Activation of polyphosphoinositide phospholipase C by guanosine 5'-O-(3-thio)triphosphate and fluoroaluminate in membranes prepared from a human T cell leukemia line, JURKAT (218) 87
- Sashchenko, L.P., N.V. Gnuchev, M.A. Kirillova, T.I. Lukjanova, T.V. Rebizova, E.S. Revazova and E.M. Lukanidin, Separation of the pore-forming and cytotoxic activities from natural killer cell cytotoxic factor (226) 261
- Sasisekharan, V. see P. Parrack (212) 297
- Sassolas, G. see J. Champier (212) 220
- Satav, J.G. see V.N. Pandey (213) 204
- Sato, A. see M. Maki (223) 174
- Sato, E.F., Y.M. Morimoto, T. Matsuno, M. Miyahara and K. Utsumi, Neutrophil specific 33 kDa protein: its Ca^{2+} - and phospholipid-dependent intracellular translocation (214) 181
- Sato, M., T. Nakamura and J. Koyama, Different abilities of two distinct Fc γ receptors on guinea pig polymorphonuclear leukocytes to trigger the arachidonic acid metabolic cascade (224) 29
- Satoh, F. see W. Sakamoto (219) 437
- Satoh, J. see A. Kawamori (217) 134
- Satoh, K. see A. Kawamori (217) 134

- Satoh, K. see I. Enami (226) 161
 Satoh, K. see R.V. Danielius (213) 241
 Satoh, K. see Y. Takahashi (208) 347
 Satoh, K., Y. Fujii, T. Aoshima and T. Tado, Immunological identification of the polypeptide bands in the SDS-polyacrylamide gel electrophoresis of photosystem II preparations (216) 7
 Satoyoshi, E. see Y. Furukawa (208) 258
 Saul, S.J. and M. Sugumaran, Protease inhibitor controls prophenoloxidase activation in *Manduca sexta* (208) 113
 Saunders, N.R. see D.L. Christie (214) 45
 Sauvageot, M. see L.-H. Tessier (208) 183
 Savart, M., M. Belamri, V. Pallet and A. Ducastaing, Association of calpains 1 and 2 with protein kinase C activities (216) 22
 Sawai, T. see A. Yamaguchi (208) 43
 Sawai, T. see A. Yamaguchi (218) 126
 Sawano, Y. see H. Fukuzawa (220) 61
 Sawyer, W.H. see J.R. Wardlaw (223) 20
 Scandurra, R., L. Politi, L. Santoro and V. Consalvi, Covalently bound pyruvate in phosphopantothienoylcysteine decarboxylase from horse liver (212) 79
 Scarfò, R. see F. Guerrieri (213) 67
 Scarpa, A. see E.C. Wiener (224) 33
 Scarpa, A. see M.B. De Young (223) 53
 Schaaf, J.M. see G.T. Robillard (224) 391
 Schächtele, C. see C. Bruns (221) 23
 Schadewaldt, P., N.J. Stapper and W. Staib, Effect of adrenergic agonists on phosphoinositide breakdown in rat skeletal muscle preparations (217) 45
 Schaechter, L.E. see K.R. Parker (211) 35
 Schagger, H., U. Borchart, W. Machleidt, T.A. Link and G. Von Jagow, Isolation and amino acid sequence of the 'Rieske' iron sulfur protein of beef heart ubiquinol:cytochrome *c* reductase (219) 161
 Schairer, H.U. see H.A. Weich (213) 89
 Schams, D. see S. Fehr (210) 45
 Scheffer, M.M. see T. Puustinen (217) 265
 Scheid, P. see W. Siffert (212) 123
 Schell, J. see T. Etzold (219) 343
 Schelling, C.P., L. Didierjean, M. Rizk, J.H. Pavlovitch, T. Takagi and C.W. Heizmann, Calcium-binding proteins in rat skin (214) 21
 Schering, B. see J. Vandekerckhove (225) 48
 Scherman, D. see B. Gasnier (222) 215
 Scherrer, K. see J. Moreau (221) 3
 Schewe, T. see H. Kühn (208) 248
 Schiavo, G. see E. Papini (215) 73
 Schiefer, H.G. see U. Schummer (224) 79
 Schifferli, J.A., G. Hauptmann and J.-P. Paccaud, Complement-mediated adherence of immune complexes to human erythrocytes: Difference in the requirements for C4A and C4B (213) 415
 Schinina, M.E., L. Maffey, D. Barra, F. Bossa, K. Puget and A.M. Michelson, The primary structure of iron superoxide dismutase from *Escherichia coli* (221) 87
 Schlegel, R.A. see P. Williamson (219) 316
 Schleicher, M. see A. Noegel (221) 391
 Schlipfenbacher, R., S. Wenzl, F. Lottspeich and M. Sumper, An extremely hydroxyproline-rich glycoprotein is expressed in inverting *Volvox* embryos (209) 57
 Schlodder, E. see S. Gerken (223) 376
 Schmeissner, U. see H.R. MacDonald (209) 295
 Schmidt, H.W.H. see S.D. Haemmerli (220) 149
 Schmitt, G. see J. Borg (213) 406
 Schnarr, M. see E. Bertrand-Burggraf (215) 83
 Schneider, D.L. see F. Mollinedo (217) 158
 Schneider, E. see P.P. Kamoun (226) (1988) 285
 Schnell, K. see G. Eberl (222) 349
 Schoemaker, H.E. see S.D. Haemmerli (220) 149
 Schoepfer, R., M. Luther and J. Lindstrom, The human medulloblastoma cell line TE671 expresses a muscle-like acetylcholine receptor: Cloning of the α -subunit cDNA (226) 235
 Schofield, P.N. see P. Hammonds (213) 149
 Schofield, P.N. see P. Hammonds (223) 131
 Schön, R. see R. Grosse (210) 123
 Schönert, H. see M. Heinrichs (223) 255
 Schreiber, U. and K.G. Rienits, ATP-induced photochemical quenching of variable chlorophyll fluorescence (211) 99
 Schreier, P.H. see T. Etzold (219) 343
 Schreier, T., K.H. Winterhalter and B. Trüeb, The tissue form of chicken type VI collagen (213) 319
 Segrest, J.P. see G. von Heijne (213) 238
 Schröder, W. see G. Theiss (218) 159
 Schulick, R. see K.A. Jacobson (225) 97
 Schulte-Frohlinde, D. see H. Wefers (211) 49
 Schultz, G. see W. Rosenthal (211) 137
 Schulz, G.E. see D. Dreusicke (208) 301
 Schumacher, L. see J. Hoppe (223) 243
 Schummer, U. and H.G. Schiefer, Transmembrane proton-motive potential of *Spiroplasma floricola* (224) 79
 Schurr, A. and B.M. Rigor, The mechanism of neuronal resistance and adaptation to hypoxia (224) 4
 Schuster, G. see A. Gal (221) 205
 Schuster, G. see T.G. Dunahay (215) 25
 Schwartz, J.-C. see F. Vargas (211) 234
 Schwartz, T.W., S.P. Sheikh and M.M.T. O'Hare, Receptors on pheochromocytoma cells for two members of the PP-fold family – NPY and PP (225) 209
 Schwartz, T.W. see E. Boel (219) 181
 Schwartz, T.W. see J.J. Holst (211) 169
 Schwarz, H. see I. Riede (215) 145
 Schwarz, M. see B.A. Hemmings (209) 219
 Schwarz-Magdolen, U., I. Oberbäumer and K. Kühn, cDNA and protein sequence of the NC1 domain of the α_2 -chain of collagen IV and its comparison with α_1 (IV) (208) 203
 Schweitz, H. see R.M. Mettrione (218) 59
 Schwendimann, B. see B. Roth (221) 172
 Scimonelli, T. and A.N. Eberle, Photoaffinity labelling of melanoma cell MSH receptors (226) 134
 Scislawski, P.W.D. and E.J. Davis, Sulfur oxidation of free methionine by oxygen free radicals (224) 177
 Scrutton, M.C. see D.E. Knight (223) 47
 Searle, M.S. see B. Birdsall (217) 106
 Sebastio, G., W. Hunziker, A. Ballabio, S. Auricchio and G. Semenza, On the primary site of control in the spontaneous development of small-intestinal sucrase-isomaltase after birth (208) 460
 Sedelnikova, S.E., S.C. Agalarov, M.B. Garber and M.M. Yusupov, Proteins of the *Thermus thermophilus* ribosome: Purification of several individual proteins and crystallization of protein TL7 (220) 227
 Sedgwick, E.G. and P.D. Bragg, The fluorescence intensity of the lipophilic probe *N*-phenyl-1-naphthylamine responds to the oxidation-reduction state of the respiratory chain in everted membrane vesicles of *Escherichia coli* (218) 22
 Seeman, P. see H.B. Niznik (209) 71
 Segade, F. see J. Gómez-Márquez (226) 217
 Segawa, K. see K. Tobe (215) 345
 Segond, N. see S. Minvielle (223) 63
 Segovia-Quinson, B. see P. Hossenlopp (208) 439
 Segović, R. see S. Suzić (216) 287

- Seidah, N.G., G.N. Hendy, J. Hamelin, J. Paquin, C. Lazure, K.M. Metters, J. Rossier and M. Chrétien, Chromogranin A can act as a reversible processing enzyme inhibitor: Evidence from the inhibition of the IRCM-serine protease 1 cleavage of pro-enkephalin and ACTH at pairs of basic amino acids (211) 144
- Seidah, N.G. see S. Benjannet (224) 142
- Seifert, J.-M. see E. Pöschl (226) 96
- Seiki, M. see J. Inoue (209) 187
- Seino, Y., K. Tanaka, J. Takeda, H. Takahashi, T. Mitani, M. Kurono, T. Kayano, G. Koh, H. Fukumoto, H. Yano, J. Fujita, N. Inagaki, Y. Yamada and H. Imura, Sequence of an intestinal cDNA encoding human motilin precursor (223) 74
- Seitz, W. see J. Striessnig (212) 247
- Sekiguchi, K. see M. Ido (219) 215
- Sekiguchi, K. see U. Kikkawa (217) 227
- Sekiguchi, K. see U. Kikkawa (223) 212
- Selden, L.A., L.C. Gershman, H.J. Kinoshita and J.E. Estes, Conversion of ATP-actin to ADP-actin reverses the affinity of monomeric actin for Ca^{2+} vs Mg^{2+} (217) 89
- Selivanova, O.M. see L.A. Ryabova (226) 255
- Selman, B.R. see M.S. Abbott (209) 157
- Selman-Reimer, S. see M.S. Abbott (209) 157
- Semenov, A.Yu. see L.A. Drachev (213) 128
- Semenza, G. see G. Sebastio (208) 460
- Semionkin, V.A. see M.I. Oshtrakh (208) 331
- Semisotnov, G.V., N.A. Rodionova, V.P. Kutysenko, B. Ebert, J. Blanck and O.B. Ptitsyn, Sequential mechanism of refolding of carbonic anhydrase B (224) 9
- Senior, A.E. see T.M. Duncan (208) 1
- Sensenbrenner, M. see C. Gensburger (217) 1
- Senshu, M. see M. Takahashi (213) 345
- Seprödi, J. see L. Buday (223) 15
- Serhan, C.N., U. Hirsch, J. Palmblad and B. Samuelsson, Formation of lipoxin A by granulocytes from eosinophilic donors (217) 242
- Serov, O.L. see N.M. Matveeva (217) 42
- Serrano, R., C. Montesinos and A. Cid, A temperature-sensitive mutant of the yeast plasma membrane ATPase obtained by in vitro mutagenesis (208) 143
- Serrano, R. see P. Eraso (224) 193
- Serratos, J. see M.J. Coll (208) 418
- Seth, A. see K.P. Samuel (218) 81
- Šetlik, I. see S.I. Allakhverdiev (226) 186
- Šetliková, E. see S.I. Allakhverdiev (226) 186
- Seto, P. see R.P. Magnusson (208) 391
- Seurin, D. see P. Hossenlopp (208) 439
- Ševčík, J. see S.V. Shlyapnikov (209) 335
- Seward, K. see P.W. Piper (220) 177
- Seyama, Y. see S. Kitamura (213) 169
- Shabarova, Z.A. see V.G. Metelev (226) 232
- Shahak, Y. see A. Gal (221) 205
- Sham, H.L., H. Stein, C.A. Rempel, J. Cohen and J.J. Plattner, Highly potent and specific inhibitors of human renin (220) 299
- Shamim, M.T. see D. Ukena (209) 122
- Sharon, N., Bacterial lectins, cell-cell recognition and infectious disease (217) 145
- Sharp, G.W.G., C. Hannah-White, M. El-Sabban, M.E. Cohen and M. Donowitz, Effects of Ca^{2+} , theophylline and promethazine on protein phosphorylation in intact cells of rabbit ileum: Correlation with active Na and Cl absorption (221) 309
- Shastri, K. see C.-S. Wang (222) 135
- Shavit, N. see M.S. Abbott (209) 157
- Shaw, A. see H.R. MacDonald (209) 295
- Shaw, E.K. see J. Bennett (210) 22
- Shearman, M.S. see U. Kikkawa (223) 212
- Shechter, E. see A. Ghazi (209) 325
- Sheikh, S.P. see T.W. Schwartz (225) 209
- Sherman, L.A. see H.C. Riethman (215) 209
- Sherry, A.D. see C.R. Malloy (212) 58
- Shevack, A. see M. Shoham (208) 321
- Shibai, H. see N. Tsuchimori (218) 205
- Shibolet, S. see M.S. Meyer (212) 138
- Shichida, Y. see M. Ariki (225) 255
- Shikano, H. see H. Nakayama (208) 278
- Shikita, M. see N. Sakai (222) 341
- Shiku, H. see T. Tanimoto (226) 291
- Shima, H., M. Takano, K. Shimotohno and M. Miwa, Identification of p26^{kb} and p24^{kb} of human T-cell leukemia virus type II (209) 289
- Shimada, M., T. Hattori, T. Umezawa, T. Higuchi and K. Uzura, Regiospecific oxygenations during ring cleavage of a secondary metabolite, 3,4-dimethoxybenzyl alcohol catalyzed by lignin peroxidase (221) 327
- Shimasaki, S. see P. Whiting (219) 459
- Shimazaki, K. see K. Nitta (223) 405
- Shimazu, T. see A. Takeda (210) 169
- Shimizu, N. see D.S. Samuels (209) 231
- Shimizu, S. see J.M. Kim (210) 77
- Shimizu, T. see S. Kitamura (213) 169
- Shimizu, Y. see N. Takasu (225) 43
- Shimohigashi, Y., H. Kodama, S. Imazu, H. Horimoto, K. Sakaguchi, M. Waki, H. Uchida, M. Kondo, T. Kato and N. Izumiya, [4,4'-(Z)-Dehydrophenylalanine]gramicidin S with stabilized bioactive conformation and strong antimicrobial activity (222) 251
- Shimohigashi, Y., T. Costa, A. Pfeiffer, A. Herz, H. Kimura and C.H. Stammer, V²Phe⁴-enkephalin analogs: Delta receptors in rat brain are different from those in mouse vas deferens (222) 71
- Shimonishi, Y., Y. Hidaka, M. Koizumi, M. Hane, S. Aimoto, T. Takeda, T. Miwatani and Y. Takeda, Mode of disulfide bond formation of a heat-stable enterotoxin (ST_h) produced by a human strain of enterotoxigenic *Escherichia coli* (215) 165
- Shimosegawa, Y. see K. Sugioka (210) 37
- Shimotohno, K. see H. Shima (209) 289
- Shimotohno, K. see T. Gojobori (208) 231
- Shimura, K. see H. Ishihara (226) 319
- Shin, M. see A. Hiwatashi (209) 311
- Shinohara, T. see D. Carper (220) 209
- Shinohara, T. see T. van Veen (208) 133
- Shinozaki, K. see K. Yamaguchi-Shinozaki (215) 132
- Shinozaki, K. see N. Zaita (210) 153
- Shinozawa, T., S. Terada, H. Matsusaka and S. Yamashita, Detection of Ca^{2+} -dependent cyclic GMP binding protein in frog rod outer segments (219) 293
- Shirokov, V.A. see S.D. Trakhanov (220) 319
- Shivaji, S., Interaction of seminalplasmin with chlortetracycline, a fluorescent chelate probe of Ca^{2+} (218) 97
- Shkuropatov, A.Y. see S.V. Chekalin (216) 245
- Shlensky, A.B. see Yu.A. Ovchinnikov (226) 91
- Shlyapnikov, S.V., V. Both, V.A. Kulikov, A.A. Dementiev, J. Ševčík and J. Zelinka, Amino acid sequence determination of guanyl-specific ribonuclease Sa from *Streptomyces aureofaciens* (209) 335
- Shogakiuchi, Y. see H. Kai (212) 119
- Shogakiuchi, Y. see H. Kanaide (214) 130
- Shoham, M., J. Müssig, A. Shevack, T. Arad, H.G. Wittmann and A. Yonath, A new crystal form of large ribosomal subunits from *Halobacterium marismortui* (208) 321
- Shuin, T. see Y. Kubota (212) 159
- Shuvaeva, T.M. see Yu.A. Ovchinnikov (223) 169
- Shuvalov, V.A. see S.V. Chekalin (216) 245
- Shuvalova, L.A. see D.I. Levitsky (221) 77
- Sibley, J.T. see B.L. Haug (215) 252

- Siddle, K. see R.M. O'Brien (212) 281
 Siddle, K. see R.M. O'Brien (217) 253
 Sidler, W. see R. Rumbeli (221) 1
 Siebert, F. see K. Gerwert (213) 39
 Sieker, L.C., L.H. Jensen and J. LeGall, Preliminary X-ray studies of the tetra-heme cytochrome c_3 and the octa-heme cytochrome c_3 from *Desulfovibrio gigas* (209) 261
 Sieker, L.C., R.E. Stenkamp, L.H. Jensen, B. Prickril and J. LeGall, Structure of rubredoxin from the bacterium *Desulfovibrio desulfuricans* (208) 73
 Sies, H. see H. Wefers (211) 49
 Sies, H. see J.C. Griffiths (213) 34
 Siffert, G. see W. Siffert (212) 123
 Siffert, W., G. Siffert, P. Scheid, T. Riemens, G. Gorter and J.W.N. Akkerman, Inhibition of Na^+/H^+ exchange reduces Ca^{2+} mobilization without affecting the initial cleavage of phosphatidylinositol 4,5-bisphosphate in thrombin-stimulated platelets (212) 123
 Sigler, P.B. see T. Wagner (212) 317
 Sigon, C. see W. Homan (215) 323
 Silva, C.D. see F. Heymans (218) 35
 Silva, J., S. Zinker and P. Gariglio, Isolation and partial characterization of 2- μm yeast plasmid as a transcriptionally active minichromosome (214) 71
 Silva, R. see E. Rondinelli (208) 379
 Simmons, T.W., I.S. Jamall and R.A. Lockshin, The effect of selenium deficiency on peroxidative injury in the house fly, *Musca domestica*: A role for glutathione peroxidase (218) 251
 Simon, D. see R.V. Guntaka (221) 332
 Simon, H.-G., U. Fruth, M.D. Kramer and M.M. Simon, A secreted serine proteinase with highly restricted specificity from cytolytic T lymphocytes inactivates retrovirus-associated reverse transcriptase (223) 352
 Simon, H. see S. Nagata (210) 66
 Simon, M.M. see H.-G. Simon (223) 352
 Simonis, W. see M. Thaler (219) 351
 Simonneau, M. see E. Leneveu (209) 165
 Simpkin, D. see J. Telser (214) 117
 Simpson, A.W.M. and T.J. Rink, Elevation of pH_i is not an essential step in calcium mobilisation in fura-2-loaded human platelets (222) 144
 Simpson, J., I.H. Milne, J.O. Gardner, C.M. Yates, K. James and G. Fink, Antibodies to normal and Alzheimer human brain structures from non-immunised mice of various ages (217) 62
 Simpson, R.J., R.L. Moritz, C.J. Lloyd, L.J. Fabri, E.C. Nice, M.R. Rubira and A.W. Burgess, Primary structure of ovine pituitary basic fibroblast growth factor (224) 128
 Šimúth, J., H. Sternbach, J. Zelinka, R.M. Chomutov and A.A. Nedospasov, DNA-dependent RNA polymerase from the chlorotetracycline producing strain of *Streptomyces aureofaciens* (218) 163
 Singh, B. see M.L. Langsford (225) 163
 Singh, J., J.M. Thornton, M. Snarey and S.F. Campbell, The geometries of interacting arginine-carboxyls in proteins (224) 161
 Singh, S. see T. Braun (215) 233
 Sirois, P. see J. Gutkowska (214) 17
 Sjövall, J. see H.-U. Marschall (213) 411
 Sklenář, V., B.R. Brooks, G. Zon and A. Bax, Absorption mode two-dimensional NOE spectroscopy of exchangeable protons in oligonucleotides (216) 249
 Sklenář, V., H. Miyashiro, G. Zon, H.T. Miles and A. Bax, Assignment of the ^{31}P and ^1H resonances in oligonucleotides by two-dimensional NMR spectroscopy (208) 94
 Skripkin, E.A. see A.S. Mankin (219) 269
 Skryabin, K.G. see S.Yu. Morozov (213) 438
 Skulachev, V.P., Energy transduction by the photosynthetic reaction center complex from *Rhodospseudomonas viridis* (225) 1
 Skulachev, V.P. see A.Yu. Andreyev (226) 265
 Skulachev, V.P. see L.A. Drachev (209) 316
 Skulachev, V.P. see L.A. Drachev (226) 139
 Skulachev, V.P. see L.B. Margolis (220) 288
 Slater, T.F. see K.H. Cheeseman (209) 191
 Slebos, R.J.C. see J.W.M. Höppener (215) 122
 Slepak, V.Z. see Yu.A. Ovchinnikov (226) 91
 Slobin, L.I. see J.R. Greenberg (224) 54
 Slominsky, P.A. see S.A. Limborska (212) 208
 Smaal, E.B. see K. Nicolay (209) 33
 Small, J.V. see R.A. Cross (219) 306
 Smarrelli, jr, J. see D. Castignetti (209) 147
 Smirnov, I. see V.L. Makarov (212) 263
 Smirnov, V.N. see M.A. Glukhova (218) 292
 Smirnov, V.N. see V.V. Kushnirov (215) 257
 Smirnov, Yu.V. see E.D. Sverdlov (217) 275
 Smirnov, Yu.V. see Yu.A. Ovchinnikov (213) 73
 Smirnova, I.A., E.N. Vulfson and V.A. Kostyrko, The ATP-dependent generation of membrane potential by sub-bacterial vesicles from the marine bacterium, *Vibrio alginolyticus* (214) 343
 Smith, C.E., I. Wakefield, J.A. King, Z. Naor, R.P. Millar and J.S. Davidson, The initial phase of GnRH-stimulated LH release from pituitary cells is independent of calcium entry through voltage-gated channels (225) 247
 Smith, C.L. see G.L. Hammond (215) 100
 Smith, J.A. see E.H.A. Wong (213) 419
 Smith, J.S. see H.H. Valdivia (226) 280
 Smith, jr, L.H. see F. O'Rourke (214) 176
 Smith, L.D., K.J. Stevenson, D.W. Hough and M.J. Danson, Citrate synthase from the thermophilic archaeobacteria *Thermoplasma acidophilum* and *Sulfolobus acidocaldarius* (225) 277
 Smith, P.J., R.M. Warren and C. von Holt, The quantitation of biotinylated compounds by a solid-phase assay using a ^{125}I -labelled biotin derivative (215) 305
 Smith, W.E. see J. Reglinski (214) 351
 Smith, W.E. see K. Kelly (222) 120
 Snarey, M. see J. Singh (224) 161
 Snyderman, R. see J.R. Didsbury (211) 160
 Snyderman, R. see J.R. Didsbury (219) 259
 Sobieszek, A. see D. Szczesna (210) 177
 Sobue, K. see T. Okabe (213) 184
 Soininen, R., T. Haka-Risku, D.J. Prockop and K. Tryggvason, Complete primary structure of the α_1 -chain of human basement membrane (type IV) collagen (225) 188
 Soleilhac, J.-M. see J.-M. Zajac (216) 118
 Söling, H.-D. see V. Henne (218) 153
 Söll, D. see G. Krupp (212) 271
 Solomonson, L.P. see M.J. Barber (213) 372
 Solovyov, V.V. see N.A. Kolchanov (214) 87
 Solsona, C. see X. Guitart (219) 219
 Solsona, C. see X. Rabasseda (213) 337
 Sommarin, M. see P.-M. Melin (223) 87
 Sondermeijer, P. see Y. Le Bouc (222) 181
 Song, M.D., M. Wachi, M. Doi, F. Ishino and M. Matsuhashi, Evolution of an inducible penicillin-target protein in methicillin-resistant *Staphylococcus aureus* by gene fusion (221) 167
 Sonobe, S. see H. Hayashi (223) 267
 Sonthayanon, B. see C.-S. Wang (222) 135
 Sorbi, R.T. see A. Cavaggoni (212) 225
 Sørensen, A.R. see L. Thim (212) 307
 Soret, J. see C. Kryceve-Martinerie (214) 81
 Sorkin, A.D. see L.V. Teslenko (221) 105
 Sorsa, T. see S. Lindy (208) 23

- Sottrup-Jensen, L. see J. Gliemann (221) 55
- Soudijn, W. see P.J.M. van Galen (223) 197
- Soumpasis, D.M., M. Robert-Nicoud and T.M. Jovin, B-Z DNA conformational transition in 1:1 electrolytes: dependence upon counterion size (213) 341
- Soute, B.A.M. see L.J.M. van Haarlem (222) 353
- Southan, C., A. Aitken, R.A. Childs, W.M. Abbott and T. Feizi, Amino acid sequence of β -galactoside-binding bovine heart lectin: Member of a novel class of vertebrate proteins (214) 301
- Southwick, W. see I. Dodd (209) 13
- Souvannavong, V. see J.-P. Tenu (220) 93
- Spach, G. see G. Molle (224) 208
- Spandidos, D.A. and L. Holmes, Transcriptional enhancer activity in the variable tandem repeat DNA sequence downstream of the human Ha-ras1 gene (218) 41
- Spangfort, M., U.K. Larsson, J.M. Anderson and B. Andersson, Isolation of two different subpopulations of the light-harvesting chlorophyll *a/b* complex of photosystem II (LHCII) (224) 343
- Spassky, A. see S. Ponnambalam (219) 189
- Spät, A. see L. Hunyady (225) 72
- Spät, A. see L. Kiesel (217) 85
- Spatz, M. see T. Yamamoto (219) 326
- Spector, I. see M. Coué (213) 316
- Spiegel, A. see J. Falloon (209) 352
- Spiegel, A. see M.R. Brann (222) 191
- Spiegel, A. see P.M. Murphy (221) 81
- Spirin, A.S. see L.A. Ryabova (226) 255
- Sprinzl, M. see R.L. Joshi (208) 189
- Stackebrandt, E. see H.V. den Eynde (213) 301
- Staehelin, L.A. see T.G. Dunahay (215) 25
- Staehelin, M. see R.-J. Box (214) 323
- Stahl, J. see H.-J. Kärger (220) 126
- Staib, W. see P. Schadeewaldt (217) 45
- Stammer, C.H. see Y. Shimohigashi (222) 71
- Stammers, D.K., J.N. Champness, C.R. Beddell, J.G. Dann, E. Eliopoulos, A.J. Geddes, D. Ogg and A.C.T. North, The structure of mouse L1210 dihydrofolate reductase-drug complexes and the construction of a model of human enzyme (218) 178
- Stammers, D.K. see R. Wootton (209) 129
- Standaert, M.L. see D.R. Cooper (214) 122
- Stapper, N.J. see P. Schadeewaldt (217) 45
- Stasch, J.-P. see G. Theiss (218) 159
- Stecher, B., B. Höhne, U. Gras, M. Momayezi, R. Glas-Albrecht and H. Plattner, Involvement of a 65 kDa phosphoprotein in the regulation of membrane fusion during exocytosis in *Paramecium* cells (223) 25
- Steenbergh, P.H., J.W.M. Höppener, J. Zandberg, A. Visser, C.J.M. Lips and H.S. Jansz, Structure and expression of the human calcitonin/CGRP genes (209) 97
- Steenbergh, P.H. see J.W.M. Höppener (215) 122
- Steigner, W. see M. Thaler (219) 351
- Stein, H. see H.L. Sham (220) 299
- Stein, P.J. see A. Caretta (219) 97
- Steiner, D.F. see C.E. Sample (222) 332
- Steiner, V. and J.-Y. Chang, Chemical modification of the carboxyl groups of protein substrates enhances their thrombin susceptibility (222) 6
- Steinert, A. see D. Brömme (219) 441
- Steinschneider, A.Y. see V.V. Kupriyanov (208) 89
- Stender, H. see H. Kühn (208) 248
- Stenkamp, R.E. see L.C. Sicker (208) 73
- Stent, G.S., Cell lineage in development (215) 1
- Steplewski, Z. see J. Thurin (208) 17
- Steppuhn, J. see T. Jansen (216) 234
- Sternbach, H. see J. Šimúth (218) 163
- Sternberg, M.J.E., G.J. Barton, M.J. Zvelebil, J. Cookson and A.R.M. Coates, Prediction of antigenic determinants and secondary structures of the major AIDS virus proteins (218) 231
- Sternlicht, H., M.B. Yaffe and G.W. Farr, A model of the nucleotide-binding site in tubulin (214) 226
- Stevenson, K.J. see L.D. Smith (225) 277
- Stevenson, M. see S. Dewhurst (213) 133
- Stevenson, M. see S. Dewhurst (213) 138
- Stewart, B.W. see C.M. Ireland (212) 173
- Stewart, M.J. see J. Reglinski (214) 351
- Stinson, R.A. see K. Hawrylak (212) 289
- Stirm, S. see F. Altmann (221) 145
- Stitt, M. see S. Krömer (226) 352
- Stock, A., S. Clarke, C. Clarke and J. Stock, N-terminal methylation of proteins: structure, function and specificity (220) 8
- Stock, J. see A. Stock (220) 8
- Stockburger, M. see R. Diller (217) 297
- Stoppani, A.O.M. see M. Dubin (220) 197
- Stoppini, M. see M. Galliano (208) 364
- Strålfors, P. see H. Olsson (209) 175
- Stratman, F.W. see L.L. Ji (208) 297
- Strid, Å., I.-M. Karlsson and M. Baltscheffsky, Demonstration of ΔpH - and $\Delta\psi$ -induced synthesis of inorganic pyrophosphate in chromatophores from *Rhodospirillum rubrum* (224) 348
- Striessnig, J., H.-G. Knaus, M. Grabner, K. Moosburger, W. Seitz, H. Lietz and H. Glossmann, Photoaffinity labelling of the phenylalkylamine receptor of the skeletal muscle transverse-tubule calcium channel (212) 247
- Strnad, C.F. and R.A. Carchman, Human T lymphocyte mitogenesis in response to the B oligomer of pertussis toxin is associated with an early elevation in cytosolic calcium concentrations (225) 16
- Strömqvist, M., Brain spectrin fragments and crosslinks actin filaments (213) 102
- Strong, P.N. see N.A. Castle (209) 117
- Strosberg, A.D. see S. Bon (209) 206
- Strosznajder, J. see H. Wikiel (216) 57
- Strotmann, H., S. Kleefeld and D. Lohse, Control of ATP hydrolysis in chloroplasts (221) 265
- Stuart, D.S. see M.E. Houston (219) 469
- Stubbs, M. see S.J.H. Ashcroft (219) 311
- Sturgess, N.C., C.N. Hales and M.L.J. Ashford, Inhibition of a calcium-activated, non-selective cation channel, in a rat insulinoma cell line, by adenine derivatives (208) 397
- Styring, S. see Y. Takahashi (223) 371
- Suau, P. see B. Piña (210) 161
- Subbarao, K. see D.J. Cash (217) 129
- Subirana, J.A. and J. Colom, Comparison of protamines from freshwater and marine bivalve molluscs: evolutionary implications (220) 193
- Subirana, J.A. see M. Chiva (215) 237
- Suckling, C.J. see J. Reglinski (214) 351
- Suda, T. see J. Abe (226) 58
- Suda, T. see T. Hayashi (218) 200
- Sugai, S. see K. Kuwajima (221) 115
- Sugai, S. see K. Nitta (223) 405
- Sugamura, K. see M. Fujii (223) 299
- Sugimoto, E. see Y. Aratani (218) 47
- Sugimoto, K. see T. Kubo (209) 367
- Sugioka, K. see Y. Sugioka (223) 251
- Sugioka, K., Y. Shimosegawa and M. Nakano, Estrogens as natural antioxidants of membrane phospholipid peroxidation (210) 37

- Sugioka, Y., M. Suzuki, K. Sugioka and M. Nakano, A ferriprotoporphyrin IX-chloroquine complex promotes membrane phospholipid peroxidation: A possible mechanism for antimalarial action (223) 251
- Sugita, H. see S. Imajoh (215) 274
- Sugiura, M. see K. Yamaguchi-Shinozaki (215) 132
- Sugiura, M. see N. Zaita (210) 153
- Sugumaran, M. see S.J. Saul (208) 113
- Suki, W.N., J. Abramowitz, R. Mattera, J. Codina and L. Birnbaumer, The human genome encodes at least three non-allelic G proteins with α -type subunits (220) 187
- Sumbilla, C. and G. Inesi, Rapid filtration measurements of Ca^{2+} release from cisternal sarcoplasmic reticulum vesicles (210) 31
- Summers, L.J., T.L. Blundell, G.G. Gause and S.I. Tomarev, A computer graphics model of frog γ -crystallin based on the three-dimensional structure of calf γ -II crystallin (208) 11
- Sumper, M. see R. Schlupfenbacher (209) 57
- Sundblad, L.-G., K. Palmqvist and G. Samuelsson, Luminescence decay kinetics in relation to the relaxation of the transthylakoid ΔpH from high and low CO_2 adapted cells of *Scenedesmus obliquus* (209) 28
- Sundby, C. see P. Mäenpää (215) 31
- Suomalainen, K. see S. Lindy (208) 23
- Surguchov, A.P. see V.V. Kushnir (215) 257
- Sushkov, D.G., N.P. Gritsan and L.M. Weiner, Generation of OH radical during enzymatic reduction of 9,10-anthraquinone-2-sulphonate: Can semiquinone decompose hydrogen peroxide? (225) 139
- Sussenbach, J.S. see J.W.M. Höppner (215) 122
- Sussenbach, J.S. see P. de Pagter-Holthuizen (214) 259
- Suter, F., P. Füglistaller, D.J. Lundell, A.N. Glazer and H. Zuber, Amino acid sequences of α -allophycocyanin B from *Synechococcus* 6301 and *Mastigocladus laminosus* (217) 279
- Suter, F. see R. Rumbeli (221) 1
- Suter, F. see T.D. Wechsler (210) 189
- Sutton, R. see F.M. Ashcroft (215) 9
- Sutton, R. see P. Hammonds (223) 131
- Suyama, A. see R. Hanai (226) 247
- Suzić, S., L. Radunović, V. Janković and R. Šegović, Effects of protein-free diet in amino acid homeostasis of rat blood plasma and gut contents (216) 287
- Suzuki, A. see F. Inagaki (212) 91
- Suzuki, A. see F. Inagaki (219) 45
- Suzuki, A. see H. Jhoti (219) 419
- Suzuki, H. see N. Sakai (222) 341
- Suzuki, K., S. Imajoh, Y. Emori, H. Kawasaki, Y. Minami and S. Ohno, Calcium-activated neutral protease and its endogenous inhibitor: Activation at the cell membrane and biological function (220) 271
- Suzuki, K. see A.M. Vaccaro (216) 190
- Suzuki, K. see K. Ishidoh (223) 69
- Suzuki, K. see K. Ishidoh (226) 33
- Suzuki, K. see K. Kubo (223) 138
- Suzuki, K. see S. Imajoh (215) 274
- Suzuki, K. see S. Ohno (222) 279
- Suzuki, M. see F. Inagaki (219) 45
- Suzuki, M. see Y. Sugioka (223) 251
- Sverdlov, E.D., G.S. Monastyrskaya, N.E. Broude, Yu.A. Ushkaryov, R.L. Allikmets, A.M. Melkov, Yu.V. Smirnov, I.V. Malyshev, I.E. Dulobova, K.E. Petrukhin, A.V. Grishin, N.I. Kijatkin, M.B. Kostina, V.E. Sverdlov, N.N. Modyanov and Yu.A. Ovchinnikov, The family of human Na^+ , K^+ -ATPase genes: No less than five genes and/or pseudogenes related to the α -subunit (217) 275
- Sverdlov, E.D., N.E. Broude, V.E. Sverdlov, G.S. Monastyrskaya, A.V. Grishin, K.E. Petrukhin, N.S. Akopyanz, N.N. Modyanov and Yu.A. Ovchinnikov, Family of Na^+ , K^+ -ATPase genes: Intra-individual tissue-specific restriction fragment length polymorphism (221) 129
- Sverdlov, E.D., S.A. Tsarev, R.A. Krykbaev, I.P. Chernov and V.M. Rostapshov, trp operon induction during the expression in *E. coli* of two IFN- γ sequences (212) 233
- Sverdlov, E.D. see N.M. Matveeva (217) 42
- Sverdlov, E.D. see Yu.A. Ovchinnikov (213) 73
- Sverdlov, V.E. see E.D. Sverdlov (217) 275
- Sverdlov, V.E. see E.D. Sverdlov (221) 129
- Sverdlov, V.E. see Yu.A. Ovchinnikov (213) 73
- Svinukhova, I.A. and A.A. Boldyrev, Na^+ transport by reconstituted Na^+ , K^+ -ATPase in the presence of various nucleotides (214) 335
- Swanlung-Collins, H. see J.P. Rieker (212) 154
- Swanson, K.L. see D.R.E. Macallan (226) 357
- Swanson, K.L. see Y. Aracava (222) 63
- Swiston, L. see M. Oetting (208) 99
- Syoto, B. see I. Matsuoka (216) 295
- Szczepan, E.W., D. Kaller, J.F. Honek and T. Viswanatha, Direct evidence for the participation of pyruvate in N-hydroxylation of lysine (211) 239
- Szczęśna, D., A. Sobieszek and I. Kąkol, Binding of phosphorylated and dephosphorylated heavy meromyosin to F-actin (210) 177
- Szekeress, M. and A.V. Matveyev, Cleavage and sequence recognition of 2,6-diaminopurine-containing DNA by site-specific endonucleases (222) 89
- Szyska, R. see W. Kudlicki (215) 16

T

- Tabaqchali, S. see B.W. Wren (225) 82
- Tabata, T. see K. Mikami (223) 273
- Tado, T. see K. Satoh (216) 7
- Tagliaferri, P. see D. Katsaros (223) 97
- Tagliaferri, P. see T. Clair (224) 377
- Taguchi, R., M. Kawase and H. Ikezawa, Determination of covalently bound *myo*-inositol in bovine erythrocyte acetylcholinesterase and porcine kidney alkaline phosphatase (225) 273
- Takagi, T. see C.P. Schelling (214) 21
- Takagi, Y. see Y. Hirata (219) 369
- Takahashi, H. see T. Kubo (209) 367
- Takahashi, H. see Y. Seino (223) 74
- Takahashi, M. and M. Senshu, Two distinct DNA ligases from *Drosophila melanogaster* embryos (213) 345
- Takahashi, M. see Y. Takahashi (208) 347
- Takahashi, Y. and S. Styring, A comparative study of the reduction of EPR signal II_{slow} by iodide and the iodo-labeling of the D2-protein in photosystem II (223) 371
- Takahashi, Y., M. Takahashi and K. Satoh, Identification of the site of iodide photooxidation in the photosystem II reaction center complex (208) 347
- Takahashi, Y. see H. Oh-oka (218) 52
- Takahashi, Y. see T. Yamakuni (223) 117
- Takai, A., C. Bialojan, M. Troschka and J.C. Rüegg, Smooth muscle myosin phosphatase inhibition and force enhancement by black sponge toxin (217) 81

- Takai, T., K. Wada and T. Tanabe, Primary structure of the biotin-binding site of chicken liver acetyl-CoA carboxylase (212) 98
- Takai, Y. see K. Kariya (217) 69
- Takai, Y. see K. Kariya (219) 119
- Takai, Y. see T. Tanimoto (226) 291
- Takai, Y. see T. Tsuda (208) 39
- Takaiwa, F., H. Ebinuma, S. Kikuchi and K. Oono, Nucleotide sequence of a rice glutelin gene (221) 43
- Takaku, F. see K. Tobe (215) 345
- Takami, N. see K. Oda (214) 135
- Takamiya, S., M.A. Lindorfer and R.A. Capaldi, Purification of all thirteen polypeptides of bovine heart cytochrome *c* oxidase from one aliquot of enzyme: Characterization of bovine fetal heart cytochrome *c* oxidase (218) 277
- Takano, E., M. Maki, M. Hatanaka, H. Mori, K. Zenita, T. Sakihama, R. Kannagi, T. Marti, K. Titani and T. Murachi, Evidence for the repetitive domain structure of pig calpastatin as demonstrated by cloning of complementary DNA (208) 199
- Takano, E. see M. Maki (223) 174
- Takano, M. see H. Shima (209) 289
- Takano, T. see K. Tobe (215) 345
- Takasu, N., T. Yamada and Y. Shimizu, Epidermal growth factor (EGF), tumor promoter 12-*O*-tetradecanoylphorbol 13-acetate (TPA) and calcium ionophore A23187 increase cytoplasmic free calcium and stimulate arachidonic acid release and PGE₂/6-keto PGF_{1α} production in cultured porcine thyroid cells (225) 43
- Takata, S. see Y. Hirata (219) 369
- Takatsuki, A. see K. Oda (214) 135
- Takayama, H. see T. Hayashi (218) 200
- Takayama, K. see C.A. Ellis (218) 238
- Takeda, A., E. Hashimoto, H. Yamamura and T. Shimazu, Phosphorylation of liver gap junction protein by protein kinase C (210) 169
- Takeda, J. see Y. Seino (223) 74
- Takeda, T. see Y. Shimonishi (215) 165
- Takeda, Y. see Y. Shimonishi (215) 165
- Takemoto, D.J. see D.F. Morrison (222) 266
- Takeuchi, A. see M. Maeshima (220) 23
- Takeyama, M. see S.-Y. Hsu (218) 222
- Takio, K. see T. Marti (219) 415
- Talwar, H. see I. Magnaldo (210) 6
- Tamai, N. see M. Mimuro (213) 119
- Tanabe, T. see K. Wada (209) 330
- Tanabe, T. see T. Takai (212) 98
- Tanaka, A. see M. Ueda (220) 31
- Tanaka, H. see T. Hayashi (218) 200
- Tanaka, K.I. see T. Kurosaki (214) 253
- Tanaka, K. see T. Tobimatsu (222) 56
- Tanaka, K. see Y. Seino (223) 74
- Tanaka, M. see M. Doi (213) 265
- Tanaka, T. see H. Nakajima (223) 113
- Tanaka, Y. see M. Ohshima (225) 243
- Tancredi, T. see A. Motta (215) 215
- Tanimoto, T., M. Hoshijima, M. Kawata, K. Yamamoto, T. Ohmori, H. Shiku, H. Nakano and Y. Takai, Binding of *ras* p21 to bands 4.2 and 6 of human erythrocyte membranes (226) 291
- Tanokura, M., M. Imaizumi and K. Yamada, A calorimetric study of Ca²⁺ binding by the parvalbumin of the toad (*Bufo*): distinguishable binding sites in the molecule (209) 77
- Tanoue, K. see A. Yamaguchi (225) 228
- Tarasevich, M.R. see A.M. Kuznetsov (215) 219
- Tarui, S. see H. Nakajima (223) 113
- Tas, P.W.L. see H.G. Kress (221) 28
- Tasteno, M. see M. Waelbroeck (226) 287
- Tate, S.S. and B. Nash, Membrane translocation and insertion of NH₂-terminally anchored γ -glutamyl transpeptidase require a signal recognition particle (211) 133
- Tateson, J.E. see R.W. Randall (214) 167
- Tatischeff, I. see R. Thiery (223) 381
- Tatsuno, Y. see S. Hashimoto (208) 305
- Tatti, M. see A.M. Vaccaro (216) 190
- Taugog, A. see R.P. Magnusson (208) 391
- Taylor, A., C.C. Allende, R. Weinmann and J.E. Allende, The phosphorylation of nucleoplasmin by casein kinase-2 is resistant to heparin inhibition (226) 109
- Taylor, D.M. see B.N. Zaba (213) 49
- Taylor, P.M. and M.J. Rennie, Perivenous localisation of Na-dependent glutamate transport in perfused rat liver (221) 370
- Taylor, P. see D. Aslanian (219) 202
- Taylor, S.I. see S.A. Phillips (212) 141
- Tedeschi, H. see K.W. Kinnally (226) 83
- Teelken, A.W. see G.T. Robillard (224) 391
- Telfer, A. see J. Barber (220) 67
- Telser, J., B.M. Hoffman, R. LoBrutto, T. Ohnishi, A.-L. Tsai, D. Simpkin and G. Palmer, Evidence for N coordination to Fe in the [2Fe-2S] center in yeast mitochondrial complex III: Comparison with similar findings for analogous bacterial [2Fe-2S] proteins (214) 117
- Tempest, P.R., C.S. Cooper and G.N. Major, The activated human *met* gene encodes a protein tyrosine kinase (209) 357
- Temussi, P.A. see A. Motta (215) 215
- Tennant, L. see C. Dalvit (213) 289
- Tenu, J.-P., A. Adam, V. Souvannavong, G. Barratt, A. Yap, J.-F. Petit, M. Level, M. Clemance and K. Douglas, A novel muramyl peptide derivative stimulates tumoricidal activity of macrophages and antibody production by B cells (220) 93
- Ter-Avanesyan, M.D. see V.V. Kushnir (215) 257
- Terada, S. see T. Shinozawa (219) 293
- Teranishi, Y. see M. Ueda (220) 31
- Teraoka, H. see O. Ohara (211) 78
- Teraoka, H. see Y. Ohmura (208) 451
- Tertoolen, L.G.J., B.C. Tilly, R.F. Irvine and W.H. Moolenaar, Electrophysiological responses to bradykinin and microinjected inositol polyphosphates in neuroblastoma cells: Possible role of inositol 1,3,4-trisphosphate in altering membrane potential (214) 365
- Terzi, G. see T. Marti (219) 415
- Teslenko, L.V., E.S. Kornilova, A.D. Sorkin and N.N. Nikolsky, Recycling of epidermal growth factor in A431 cells (221) 105
- Tessier, L.-H., S. Jallat, M. Sauvageot, R.G. Crystal and M. Courtney, RNA structural elements for expression in *Escherichia coli*: α_1 -Antitrypsin synthesis using translation control elements based on the *cII* ribosome-binding site of phage λ (208) 183
- Testa, I. see M. Clementi (221) 11
- Tew, D.G. see M.J. Green (216) 31
- Thaler, M., W. Steigner, K. Köhler, W. Simonis and W. Urbach, Release of repetitive transient potentials and opening of potassium channels by barium in *Eremosphaera viridis* (219) 351
- Thauer, R.K. see A. Kobelt (214) 265
- Thauer, R.K. see D. Ankel-Fuchs (213) 123
- Thauer, R.K. see H.P.C. Hogenkamp (219) 197
- Thauer, R.K. see J. Ellermann (220) 358
- Theiss, G., A. John, F. Morich, D. Neuser, W. Schröder, J.-P. Stasch and S. Wohlfeil, α -h-ANP is the only form of circulating ANP in humans (218) 159
- Thelestam, M. see L. Blomqvist (211) 127
- Thiery, J.P. see M. Obara (213) 261

- Thiery, R., R. Klein and I. Tatischeff, Increase of DPH fluorescence polarization during development of *Dictyostelium discoideum* cells (223) 381
- Thim, L., M.T. Hansen and A.R. Sørensen, Secretion of human insulin by a transformed yeast cell (212) 307
- Thim, L. see A.J. Moody (212) 302
- Thim, L. see J.M. Conlon (208) 445
- Thim, L. see J.M. Conlon (214) 50
- Thom, R.E. and J.E. Casnellie, Demonstration that LSTRA cells have an elevated level of proteins phosphorylated on tyrosine residues (222) 104
- Thomas, H. see P. Hilditch (208) 313
- Thomas, V. see J.G. Delcros (220) 236
- Thomas, W.E. and J. Mowbray, Evidence for ADP-ribosylation in the mechanism of rapid thyroid hormone control of mitochondria (223) 279
- Thomazy, V. see L. Fesus (224) 104
- Thompson, J., S.E. Moore and F.S. Walsh, Thyroid hormones regulate expression of the neural cell adhesion molecule in adult skeletal muscle (219) 135
- Thompson, N.T. see J. Dawson (214) 171
- Thompson, N.T. see R.W. Bonser (209) 134
- Thompson, R.J. see I.N.M. Day (210) 157
- Thompson, R.J. see I.N.M. Day (222) 139
- Thompson, R.J. see U.S. Vogel (218) 261
- Thomson, A.J. see N. Foote (214) 347
- Thomson, A.J. see R.S. Blackmore (219) 244
- Thörnström, P.-E. see M. Fabian (213) 396
- Thornton, J.M. see J. Singh (224) 161
- Thorpe, P.E. see E.J. Wawrzynczak (219) 51
- Thorpe, P.E. see M. O'Hare (216) 73
- Thurin, J., M. Thurin, M. Herlyn, D.E. Elder, Z. Steplewski, W.H. Clark, Jr and H. Koprowski, GD2 ganglioside biosynthesis is a distinct biochemical event in human melanoma tumor progression (208) 17
- Thurin, M. see J. Thurin (208) 17
- Tiemann, K., W. Hinderer and W. Barz, Isolation of NADPH:isoflavone oxidoreductase, a new enzyme of Pterocarpin phytoalexin biosynthesis in cell suspension cultures of *Cicer arietinum* (213) 324
- Tilly, B.C. see L.G.J. Tertoolen (214) 365
- Timmerman, M.P. and C.C. Ashley, Fura-2 diffusion and its use as an indicator of transient free calcium changes in single striated muscle cells (209) 1
- Timmerman, M.P. see A.P. Jackson (216) 35
- Timmis, K.N. see J.L. Ramos (226) 241
- Timpl, R. see K. Mann (218) 167
- Timpmann, K.E. see Z.G. Fetisova (223) 161
- Tischenko, S.V. see S.D. Trakhanov (220) 319
- Titani, K. see E. Takano (208) 199
- Tittor, J. see R. Diller (217) 297
- Tjoeng, F.S. see G.M. Olins (224) 325
- Toazara, J. see J. Borg (213) 406
- Tobe, K., M. Kasuga, H. Kitasato, F. Takaku, T. Takano and K. Segawa, Differential effects of DNA tumor virus nuclear oncogene products on adipocyte differentiation (215) 345
- Tobimatsu, T., Y. Fujita, K. Fukuda, K. Tanaka, Y. Mori, T. Konno, M. Mishina and S. Numa, Effects of substitution of putative transmembrane segments on nicotinic acetylcholine receptor function (222) 56
- Tocqué, B., A. Pfeiffer and A. Klee, Transfer of functional opiate receptors from membranes to recipient cells by polyethylene glycol-induced fusion (222) 327
- Toh, H., A. Imamura and K. Kanda, Role of Mg^{2+} in the ribozyme system (219) 279
- Tohda, M. see Y. Nomura (216) 40
- Tojo, T. see D.S. Samuels (209) 231
- Tokuda, H., T. Udagawa, M. Asano, T. Yamamoto and T. Unemoto, Conjugation-dependent recovery of the Na^+ pump in a mutant of *Vibrio alginolyticus* lacking three subunits of the Na^+ pump (215) 335
- Tokunaga, F. see H. Higashiyama (218) 287
- Toleikis, A. see B. Kholodenko (223) 247
- Tomarev, S.I. see L.J. Summers (208) 11
- Tomasi, M. see E. Papini (215) 73
- Tominaga, S., A 63 kDa protein is secreted from BALB/c-3T3 cells entering the G_1 phase from the G_0 state (226) 53
- Tomita, N., A. Horii, T. Yamamoto, M. Ogawa, T. Mori and K. Matsubara, Expression of pancreatic secretory trypsin inhibitor gene in neoplastic tissues (225) 113
- Tomiyama, N. see A. Yamaguchi (208) 43
- Tommassen, J. and T. de Kroon, Subcellular localization of a PhoE-LacZ fusion protein in *E. coli* by protease accessibility experiments reveals an inner-membrane-spanning form of the protein (221) 226
- Tomoda, A., Y. Yoneyama, T. Yamaguchi, K. Kakinuma, K. Kawasaki and D. Yonemura, Spectroscopic studies of brunescant cataractous lenses (219) 472
- Tomba, P., J. Batke and J. Ovádi, How to determine the efficiency of intermediate transfer in an interacting enzyme system? (214) 244
- Tonevitsky, A.G. see T.L. Bushueva (215) 155
- Tongio, M.-M. see B. Uring-Lambert (217) 65
- Tonk, W.J.M. see J.J.S. van Rensen (226) 347
- Töpfer-Petersen, E. and A. Henschen, Acrosin shows zona and fucose binding, novel properties for a serine proteinase (226) 38
- Topping, D.L. see P.D. Roach (222) 159
- Torazawa, K. see N. Zaita (210) 153
- Torchilin, V.P. see J. Lasch (214) 13
- Torrence, P.F., D. Alster, S. Huss, G. Gosselin and J.-L. Imbach, Degradation by the 2',5'-phosphodiesterase activity of mouse cells requires the presence of a *ribo* hydroxyl group in the penultimate position of the oligonucleotide substrate (212) 267
- Torres de Castro, F. see E. Rondinelli (208) 379
- Tortora, G. see D. Katsaros (223) 97
- Tortora, P. see S. Lamponi (216) 265
- Totsuka, A. see C. Fukazawa (224) 125
- Tóugu, V., A. Pedak, T. Kesvatera and A. Aaviksaar, Acetylcholinesterase as polyelectrolyte in reaction with cationic substrates (225) 77
- Tourbez, M. see F. Pochon (217) 101
- Toutant, M., D. Aunis, J. Bockaert, V. Homburger and B. Rouot, Presence of three pertussis toxin substrates and $G_{o\alpha}$ immunoreactivity in both plasma and granule membranes of chromaffin cells (215) 339
- Toutant, M., J. Bockaert, V. Homburger and B. Rouot, G-proteins in *Torpedo marmorata* electric organ: Differential distribution in pre- and post-synaptic membranes and synaptic vesicles (222) 51
- Towatari, T. see K. Ishidoh (223) 69
- Trakhanov, S.D., M.M. Yusupov, S.C. Agalarov, M.B. Garber, S.N. Ryazantsev, S.V. Tischenko and V.A. Shirokov, Crystallization of 70 S ribosomes and 30 S ribosomal subunits from *Thermus thermophilus* (220) 319
- Trakht, I.N. see A.A. Preobrazhensky (224) 23
- Travers, M.T. and J.T. Knowler, Oestrogen-induced expression of oncogenes in the immature rat uterus (211) 27
- Trayer, I.P. see J.S. Evans (208) 211
- Trémeau, O., J.-C. Boulain, J. Couderc, P. Fromageot and A. Ménez, A monoclonal antibody which recognized the functional site of snake neurotoxins and which neutralizes all short-chain variants (208) 236
- Trémolières, A. see A. Oursel (219) 393
- Trewavas, A.J. see S. Gilroy (212) 133

- Trimble, R.P. see P.D. Roach (222) 159
 Trimble, W.S. and N. Hozumi, Deletion analysis of the c-Ha-ras oncogene promoter (219) 70
 Trommer, W.E. see A. Wolf (212) 203
 Troschka, M. see A. Takai (217) 81
 Trudelle, Y., P. Daumas, F. Heitz, C. Etchebest and A. Pullman, Experimental and theoretical study of gramicidin P, an analog of gramicidin A with a methylamine C-terminal (216) 11
 Trüeb, B. see T. Schreier (213) 319
 Trugnan, G. see M. Rousset (208) 34
 Truman, J.W. see T. Marti (219) 415
 Trumpower, B.L. see W.E. Payne (213) 107
 Tryggvason, K. see R. Soininen (225) 188
 Tryggvason, K. see S.L. Hostikka (216) 281
 Tryggvason, K. see S.L. Hostikka (224) 297
 Tsai, A.-L. see J. Telser (214) 117
 Tsarev, S.A. see E.D. Sverdlov (212) 233
 Tschank, G. see H.M. Hanauske-Abel (214) 236
 Tschopp, J. see D. Masson (208) 84
 Tselepis, A.D. see M. Lekka (208) 52
 Tsernoglou, D. see K. Petratos (218) 209
 Tsetlin, V.I. see A.S. Arseniev (213) 283
 Tsou, K. see Y.X. Zhu (208) 253
 Tsoukatos, D. see M. Lekka (208) 52
 Tsuchimori, N., S. Miyashiro, H. Shibai and S. Ikegami, Isolation and identification of a specific and reversible inhibitor of starfish development (218) 205
 Tsuda, T. see K. Kariya (217) 69
 Tsuda, T., Y. Hamamori, T. Yamashita, Y. Fukumoto and Y. Takai, Involvement of three intracellular messenger systems, protein kinase C, calcium ion and cyclic AMP, in the regulation of c-fos gene expression in Swiss 3T3 cells (208) 39
 Tsuge, H. see K. Nitta (223) 405
 Tsukada, K. see Y. Ohmura (208) 451
 Tsunoda, Y. and H. Matsumiya, Calcium-activated membrane depolarization via modulation of chloride efflux from parietal cells during gastrin stimulation (222) 149
 Tsvetkov, Yu.D. see S.A. Dikanov (224) 75
 Tu, A.T. see A. Maurer (224) 89
 Tucker, M.M. see M.L. Ernst-Fonberg (215) 261
 Tuite, M.F., B.S. Cox and C.S. McLaughlin, A ribosome-associated inhibitor of in vitro nonsense suppression in [*psi*⁻] strains of yeast (225) 205
 Turner, A.J. see K.B. Widdows (222) 125
 Turner, D.L. see H. Santos (226) 179
 Turner, P.R. see J.D. Bell (219) 239
 Turto, H. see S. Lindy (208) 23
 Tushima, S. see Y. Kuroda (224) 137
 Tyihák, E. see Z. Huszti (209) 362
 Tysnes, O.-B., A.J.M. Verhoeven, G.M. Aarbakke and H. Holmsen, Phosphoinositide metabolism in resting and thrombin-stimulated human platelets: Evidence against metabolic heterogeneity (218) 68
 Tzartos, S.J. see B. Roth (221) 172
 Ueda, M., H. Okada, T. Hishida, Y. Teranishi and A. Tanaka, Isolation of several cDNAs encoding yeast peroxisomal enzymes (220) 31
 Uehara, S. see W. Sakamoto (219) 437
 Uehara, Y., S. Gasa, A. Makita, K. Sakurada and T. Miyazaki, Protein phosphorylation of lysosomal arylsulfatase B in normal and leukemic leukocytes (208) 352
 Uejima, Y., T. Koga and T. Kamihara, Enhanced metabolism of phosphatidylinositol in *Candida tropicalis* in association with filamentous growth caused by ethanol (214) 127
 Ueno, K. see K. Itoh (213) 85
 Uhlin, B.E. see J. Sanchez (208) 194
 Uhl, R. see R. Wagner (221) 253
 Ui, M. see H. Kurose (219) 375
 Ui, M. see T. Katada (213) 353
 Ukena, D., K.A. Jacobson, W.L. Padgett, C. Ayala, M.T. Shamim, K.L. Kirk, R.A. Olsson and J.W. Daly, Species differences in structure-activity relationships of adenosine agonists and xanthine antagonists at brain A1 adenosine receptors (209) 122
 Ukena, D., W.L. Padgett, O. Hong, J.W. Daly, D.T. Daly and R.A. Olsson, N⁶-substituted 9-methyladenines: a new class of adenosine receptor antagonists (215) 203
 Ulbrich, N. see R.K. Hartmann (218) 215
 Umeda, T. see N. Sakai (222) 341
 Umezawa, T. and T. Higuchi, Mechanism of aromatic ring cleavage of β -O-4 lignin substructure models by lignin peroxidase (218) 255
 Umezawa, T. see M. Shimada (221) 327
 Umezawa, T. see S. Kawai (210) 61
 Underhill, D.A. see G.L. Hammond (215) 100
 Unemoto, T. see H. Tokuda (215) 335
 Unger, F.M. see F. Altmann (221) 145
 Unson, C. see J. Falloon (209) 352
 Urbach, W. see M. Thaler (219) 351
 Uring-Lambert, B., N. Vegnaduzzi, M.C. Carroll, M.-M. Tongio, J. Goetz and G. Hauptmann, Heterogeneity in the structural basis of the human complement C4A null allele (C4A*Q0) as revealed by *Hind*III restriction fragment length polymorphism analysis (217) 65
 Usanga, E.A., E. O'Brien and L. Luzzato, Mitotic inhibitors arrest the growth of *Plasmodium falciparum* (209) 23
 Ushkaryov, Yu.A. see E.D. Sverdlov (217) 275
 Ushkaryov, Yu.A. see Yu.A. Ovchinnikov (213) 73
 Utsumi, K. see E.F. Sato (214) 181
 Utsumi, T., Y. Aizono and G. Funatsu, Receptor-mediated interaction of ricin with the lipid bilayer of ganglioside GM1-liposomes (216) 99
 Uzura, K. see M. Shimada (221) 327

V

U

- Uchida, H. see Y. Shimohigashi (222) 251
 Udagawa, T. see H. Tokuda (215) 335
 Udaka, K. see C. Fukazawa (224) 125

- Vaccaro, A.M., M. Muscillo, R. Salvioli, M. Tatti, E. Gallozzi and K. Suzuki, The binding of glucosylceramidase to glucosylceramide is promoted by its activator protein (216) 190
 Vaeck, M. see H. Höfte (226) 364
 Vaheri, A. see E.-M. Salonen (221) 381
 Valdivia, H.H., J.S. Smith, B.M. Martin, R. Coronado and L.D. Possani, Charybdotoxin and noxiustoxin, two homologous peptide inhibitors of the K⁺(Ca²⁺) channel (226) 280

- Valeins, H., T. Volker, O. Viratelle and J. Labouesse, A quenched-flow study of a receptor-triggered second messenger response: cyclic AMP burst elicited by isoproterenol in C6 glioma cell membranes (226) 331
- Valente, L. see J.K. French (212) 242
- Vallee, B.L. see T. Fairwell (222) 99
- Vamecq, J. see C. Van den Branden (222) 21
- Van Batenburg, M.J. see G.R. Elliott (217) 6
- Van Beeumen, J.J. see J.R. Vanfleteren (211) 59
- Van Belle, H. see D. de Chaffoy de Courcelles (219) 283
- Van Boom, J.H. see P.D. Baas (218) 119
- Van Bun, S.M. see J.R. Vanfleteren (211) 59
- Van Damme, E.J.M., A.K. Allen and W.J. Peumans, Isolation and characterization of a lectin with exclusive specificity towards mannose from snowdrop (*Galanthus nivalis*) bulbs (215) 140
- Van Damme, E.J.M. see A.M. Vranken (216) 67
- Van Damme, J. see M.I. Darville (224) 317
- Van den Bosch, H. see A.J. Aarsman (219) 176
- Van den Brande, J.L. see J.W.M. Höppener (215) 122
- Van den Brande, J.L. see P. de Pagter-Holthuisen (214) 259
- Van den Branden, C., J. Vamecq, G. Dacremont, N. Premereur and F. Roels, Short and long term influence of phenothiazines on liver peroxisomal fatty acid oxidation in rodents (222) 21
- Van den Briel, W. see W. Homan (215) 323
- Van den Ende, H. see W. Homan (215) 323
- Van den Eijnden, D.H. see A.H.L. Koenderman (222) 42
- Van den Eijnden, D.H. see D.H. Joziassse (221) 139
- Van den Eynde, H. and R. De Wachter, Variable base pairing in a helix of eubacterial 5 S ribosomal RNA points to the existence of a conformational switch (217) 191
- Van den Eynde, H., E. Stackebrandt and R. De Wachter, The structure of the 5 S ribosomal RNA of a member of the phylum of green non-sulfur bacteria and relatives (213) 301
- Van der Kammen, R. see P. de Pagter-Holthuisen (214) 259
- Van der Meer, R.A., J.A. Jongejan and J.A. Duine, Phenylhydrazine as probe for cofactor identification in amine oxidoreductases: Evidence for PQQ as the cofactor in methyamine dehydrogenase (221) 299
- Van der Zanden, A.L. see H.K. Ploos van Amstel (222) 186
- Van Dorsselaer, A. see G.J. Arlaud (222) 129
- Van Dun, J. see W. Wouters (213) 359
- Van Esch, J.H. see A.M. Batenburg (223) 148
- Van Galen, P.J.M., A.P. IJzerman and W. Soudijn, Adenosine derivatives with N⁶-alkyl-, -alkylamine or -alkyladenosine substituents as probes for the A₁-receptor (223) 197
- Van Gorkom, H.J. see R.V. Danielius (213) 241
- Van Haarlem, L.J.M., B.A.M. Soule and C. Vermeer, Vitamin K-dependent carboxylase: Possible role for thioredoxin in the reduction of vitamin K metabolites in liver (222) 353
- Van Heel, M.G. see E.J. Boekema (217) 283
- Van Hoek, A. see A.J.W.G. Visser (224) 406
- Van Kan, P.J.M. see R.V. Danielius (213) 241
- Van Kuik, J.A., J. Breg, C.E.M. Kolsteeg, J.P. Kamerling and J.F.G. Vliegthart, Primary structure of the acidic carbohydrate chain of hemocyanin from *Panulirus interruptus* (221) 150
- Van Lint, J. see J.R. Vandenheede (211) 190
- Van Lookeren-Campagne, M.M. see J.R. Vanfleteren (211) 190
- Van Lookeren Campagne, M.M. see R.J. Aerts (220) 366
- Van Mansfeld, A.D.M. see P.D. Baas (218) 119
- Van Pee, K.-H. see W. Wiesner (209) 321
- Van Rensen, J.J.S., W.J.M. Tonk and S.M. de Bruijn, Involvement of bicarbonate in the protonation of the secondary quinone electron acceptor of photosystem II via the non-haem iron of the quinone-iron acceptor complex (226) 347
- Van Schaftingen, E. see E. Mertens (221) 124
- Van Schaik, F.M.A. see P. de Pagter-Holthuisen (214) 259
- Van Teeffelen, H.A.A.M. see P.D. Baas (218) 119
- Van Veen, T., A. Katial, T. Shinohara, D.J. Barrett, B. Wiggert, G.J. Chader and J.M. Nickerson, Retinal photoreceptor neurons and pinealocytes accumulate mRNA for interphotoreceptor retinoid-binding protein (IRBP) (208) 133
- Van Walraven, H.S., N.P. Haak, K. Krab and R. Kraayenhof, Evidence for a high proton translocation stoichiometry of the H⁺-ATPase complex in well coupled proteoliposomes reconstituted from a thermophilic cyanobacterium (208) 138
- Vandekerckhove, J., B. Schering, M. Bärman and K. Aktories, *Clostridium perfringens* iota toxin ADP-ribosylates skeletal muscle actin in Arg-177 (225) 48
- Vandekerckhove, J. see M.I. Darville (224) 317
- Vandekerckhove, J. see N. Geisler (221) 403
- Vanden Abeele, C. see J.R. Vandenheede (211) 190
- Vanden Abeele, C. see J.R. Vandenheede (216) 291
- Vandenheede, J.R., C. Vanden Abeele and W. Merlevede, On the dephosphorylation of the ATP/Mg-dependent protein phosphatase modulator (216) 291
- Vandenheede, J.R., J. Van Lint, C. Vanden Abeele and W. Merlevede, Interaction of myelin basic protein with the different components of the ATP/Mg-dependent protein phosphatase system (211) 190
- Vandenheede, J.R. see P. Agostinis (224) 385
- Vandewalle, P.L. and N.O. Petersen, Oxidation of reduced cytochrome c by hydrogen peroxide: Implications for superoxide assays (210) 195
- Vanfleteren, J.R., S.M.V. Bun and J.J.V. Beeumen, The primary structure of histone H3 from the nematode *Caenorhabditis elegans* (211) 59
- Vänngård, T. see R. Aasa (221) 245
- Varečka, L., E. Peterajová and J. Pogády, Polymyxin B, a novel inhibitor of red cell Ca²⁺-activated K⁺ channel (225) 173
- Varela, I., M.M.V.L. Campagne, J.F. Alvarez and J.M. Mato, The developmental regulation of phosphatidylinositol kinase in *Dictyostelium discoideum* (211) 64
- Varetto, L., J.-M. Frère and J.-M. Ghuysen, The importance of the negative charge of β -lactam compounds for the inactivation of the active-site serine DD-peptidase of *Streptomyces* R61 (225) 218
- Vargas, F. and J.-C. Schwartz, Apparent identity of cerebral tyrosylsulfotransferase activities using either a cholecystokinin derivative or an acidic amino acid polymer as substrate (211) 234
- Vargas, J.L., E. Roche, E. Knecht and S. Grisolia, Differences in the half-lives of some mitochondrial rat liver enzymes may derive partially from hepatocyte heterogeneity (224) 182
- Varro, A. see H. Desmond (210) 185
- Vashakidze, R.P. and D.A. Prangishvili, Simple repetitive sequences in the genomes of archaeobacteria (216) 217
- Vasilevskaya, T.D. see M.A. Glukhova (218) 292
- Vasiliev, V.D. see L.A. Ryabova (226) 255
- Vass, I., T. Ono and Y. Inoue, Removal of 33 kDa extrinsic protein specifically stabilizes the S₂Q_A⁻ charge pair in photosystem II (211) 215
- Vassalli, J.-D. and D. Belin, Amiloride selectively inhibits the urokinase-type plasminogen activator (214) 187
- Vasta, V. see P. Bruni (222) 27
- Vazquez, C.R. see A.R. Nebreda (220) 27
- Vedeler, A. see G. Burns (208) 217
- Vegnaduzzi, N. see B. Uring-Lambert (217) 65
- Venter, J.C. see F.-Z. Chung (211) 200
- Venton, D.L. see E.J. Kattelman (213) 179
- Venturoli, G., M. Virgili, B.A. Melandri and A.R. Crofts, Kinetic measurements of electron transfer in coupled chromatophores from photosynthetic bacteria: A method of correction for the electrochromic effects (219) 477
- Verbert, A. see R. Cecchelli (208) 407

- Verhoeven, A.J.M. see O.-B. Tysnes (218) 68
- Verkleij, A.J. see A.M. Batenburg (223) 148
- Vermeer, C. see L.J.M. van Haarlem (222) 353
- Vermeulen, J.A.W.H., R.M.J.N. Lamerichs, L.J. Berliner, A.De Marco, M. Llinás, R. Boelens, J. Alleman and R. Kaptein, ¹H NMR characterization of two crambin species (219) 426
- Vernotte, C. see J. Olive (208) 308
- Vianello, A. see F. Macri (215) 47
- Vicendo, P. see J. Fauvel (221) 397
- Vicentini, L.M. see A. Pandiella-Alonso (208) 48
- Vidal, M., J. Sainte-Marie, J.R. Philippot and A. Bienvenue, The influence of coupling transferrin to liposomes or minibeads on its uptake and fate in leukemic L₂C cells (216) 159
- Vidali, G. see A. De Ambrosis (225) 120
- Viel, A., M.K. Djé, A. Mazabraud, H. Denis and M. le Maire, Thesaurin a, the major protein of *Xenopus laevis* previtellogenic oocytes, present in the 42 S particles, is homologous to elongation factor EF-1 α (223) 232
- Vihko, P. see L. Keso (215) 105
- Vile, G.F. and C.C. Winterbourn, Iron binding to microsomes and liposomes in relation to lipid peroxidation (215) 151
- Vilgrain, I. see J. Fauvel (221) 397
- Villa, T.G. see A.R. Nebreda (220) 27
- Villanueva, J.R. see A.R. Nebreda (220) 27
- Ville, A.L. see J.D. Bell (219) 239
- Villee, C.A. see S. Ishiura (215) 195
- Vince, G.S. and R.T. Dean, Is enhanced free radical flux associated with increased intracellular proteolysis? (216) 253
- Vincent, J.-P. see J.-C. Bozou (211) 151
- Viratelle, O. see H. Valeins (226) 331
- Virgili, M. see G. Venturoli (219) 477
- Virtanen, I. see O. NÄrvänen (224) 156
- Visser, A.J.W.G., A. van Hoek, T. Kulinski and J. Le Gall, Time-resolved fluorescence studies of flavodoxin: Demonstration of picosecond fluorescence lifetimes of FMN in *Desulfovibrio* flavodoxins (224) 406
- Visser, A.J.W.G. see A. de Kok (218) 135
- Visser, A. see P.H. Steenbergh (209) 97
- Visser, F.R. see D.R. Biggs (220) 223
- Viswanatha, T. see A.P. Jahagirdar (219) 83
- Viswanatha, T. see E.W. Szczepan (211) 239
- Vita, N. see P. Ferrara (226) 47
- Vize, P.D. and J.R.E. Wells, Spacer alterations which increase the expression of porcine growth hormone in *E. coli* (213) 155
- Vliegthart, J.F.G. see J.A. van Kuik (221) 150
- Voeikov, V.L. see Yu.A. Ovchinnikov (226) 91
- Vogel, D.W. see R.K. Hartmann (218) 215
- Vogel, U.S. and R.J. Thompson, Molecular cloning of the myelin specific enzyme 2',3'-cyclic-nucleotide 3'-phosphohydrolase (218) 261
- Vogt, B. see H. Bartels (221) 277
- Volker, T. see H. Valeins (226) 331
- Volkov, N.I. see A.Yu. Andreyev (226) 265
- Volpe, P. see A. Maurer (224) 89
- Volpe, P. see C. Delfini (210) 17
- Volsky, D.J. see S. Dewhurst (213) 133
- Volsky, D.J. see S. Dewhurst (213) 138
- Von Bahr-Lindström, H. see O.U. Beg (216) 270
- Von Heijne, G. and J.P. Segrest, The leader peptides from bacteriorhodopsin and halorhodopsin are potential membrane-spanning amphipathic helices (213) 238
- Von Holt, C. see G.P. Sabbatini (224) 117
- Von Holt, C. see P.J. Smith (215) 305
- Von Jagow, G. see H. Schagger (219) 161
- Von Janta-Lipinsky, M. see N. Dyatkina (219) 151
- Voorter, C.E.M., E.S. Roersma, H. Bloemendal and W.W. de Jong, Age-dependent deamidation of chicken α A-crystallin (221) 249
- Vranken, A.M., E.J.M. Van Damme, A.K. Allen and W.J. Peumans, Purification and properties of an *N*-acetylgalactosamine specific lectin from the plant pathogenic fungus *Rhizoctonia solani* (216) 67
- Vsevolodov, N.N. see E.B. Okon (216) 241
- Vu, Q.A., D. Zhang, Z.C. Chronos and D.A. Nelson, Polyamines inhibit the yeast histone deacetylase (220) 79
- Vulfson, E.N. see I.A. Smirnova (214) 343
- Vuorio, E. see V.-M. Kähäri (215) 331
- Vuust, J. see T. Lund (208) 369
- Vygodina, T. and A.A. Konstantinov, Evidence for two H₂O₂-binding sites in ferric cytochrome *c* oxidase: Indication to the O-cycle? (219) 387
- W
- Wachi, M. see M.D. Song (221) 167
- Wada, A. see R. Hanai (226) 247
- Wada, K. and T. Tanabe, N-terminal amino acid sequences of the heavy and light chains of chicken liver cathepsin L (209) 330
- Wada, K. see H. Oh-oka (218) 52
- Wada, K. see T. Takai (212) 98
- Waelbroeck, M., J. Camus, M. Tastenoy and J. Christophe, 80% of muscarinic receptors expressed by the NB-OK 1 human neuroblastoma cell line show high affinity for pirenzepine and are comparable to rat hippocampus M1 receptors (226) 287
- Wagner, A.F.V. see J. Hönes (212) 193
- Wagner, H. see R.V. Guntaka (221) 332
- Wagner, J.-C. and D.H. Wolf, Hormone (pheromone) processing enzymes in yeast: The carboxy-terminal processing enzyme of the mating pheromone α -factor, carboxypeptidase yscA, is absent in α -factor maturation-defective *kex1* mutant cells (221) 423
- Wagner, J.-C., C. Escher and D.H. Wolf, Some characteristics of hormone (pheromone) processing enzymes in yeast (218) 31
- Wagner, R., N.J.P. Ryba and R. Uhl, The amplified P-signal, an extremely photosensitive light scattering signal from rod outer segments, which is not affected by pre-activation of phosphodiesterase with G α -GTP- γ -S (221) 253
- Wagner, T., M. Gross and P.B. Sigler, CpA containing oligoribonucleotides specifically inhibit protein synthesis in rabbit reticulocytes (212) 317
- Wagter, R. see W. Homan (215) 323
- Wakefield, I. see C.E. Smith (225) 247
- Wakelam, M.J.O., S. Patterson and M.R. Hanley, L6 skeletal muscle cells have functional V₁-vasopressin receptors coupled to stimulated inositol phospholipid metabolism (210) 181
- Waki, M. see S. Ono (220) 332
- Waki, M. see Y. Shimohigashi (222) 251
- Walaas, O. see S.I. Walaas (220) 311
- Walaas, S.I., R.S. Horn, A. Adler, K.A. Albert and O. Walaas, Insulin increases membrane protein kinase C activity in rat diaphragm (220) 311
- Walker, G.H. and S.C. Huber, Spinach leaf 6-phosphofructo-2-kinase: Isolation of a new enzyme form that undergoes ATP-dependent modification (213) 375
- Wallace, P.G. see M.N. Berry (224) 201
- Wallace, R., E. Knecht and S. Grisolia, Turnover of rat liver ornithine transcarbamylase (208) 427

- Waller, J.-P. see M. Lazard (216) 27
- Walsh, F.S. see J. Thompson (219) 135
- Walsh, K.A. see D.R. Eyre (220) 337
- Walsh, K.A. see L.H. Ericsson (218) 11
- Walsh, K.A. see R.M. Mettrione (218) 59
- Walsh, K.A. see T. Marti (219) 415
- Wang, C.-S., K. Shastri, L. Wen, J.-K. Huang, B. Sonthayanon, S. Muthukrishnan and G.R. Reeck, Heterogeneity in cDNA clones encoding rice glutelin (222) 135
- Wang, J. see T. Minegishi (214) 139
- Wanka, F. see A.C.M. Pieck (212) 276
- Ward, D.J. see C.A. Morrison (214) 65
- Warden, J.T. see G.P. Palace (215) 58
- Wardlaw, J.R., W.H. Sawyer and K.P. Ghiggino, Vertical fluctuations of phospholipid acyl chains in bilayers (223) 20
- Waring, M.J. see J. Portugal (225) 195
- Warren, M.J. see P.M. Jordan (225) 87
- Warren, R.A.J. see M.L. Langsford (225) 163
- Warren, R.M. see P.J. Smith (215) 305
- Wasenius, V.-M., O. Närvänen, V.-P. Lehto and M. Saraste, α -Actinin and spectrin have common structural domains (221) 73
- Wasenius, V.-M. see O. Närvänen (224) 156
- Wasil, M. see B. Halliwell (213) 15
- Watanabe, T. see T. Hiyaama (214) 97
- Watanabe, T.X. see Y. Hirata (219) 369
- Watanabe, Y., T. Meshi and Y. Okada, Infection of tobacco protoplasts with in vitro transcribed tobacco mosaic virus RNA using an improved electroporation method (219) 65
- Waterhouse, R.N., D. Boulter and J.A. Gatehouse, An organ-specific hypomethylation of cotyledon genomic rDNA in *Pisum sativum* L. (209) 223
- Watsfeldt, P. see G. Larson (214) 41
- Watson, G.J. see E.J. Wawrzynczak (219) 51
- Watson, G.J. see M. O'Hare (216) 73
- Watson, H.C. see J.A. Littlechild (225) 123
- Watson, I.D. see J. Reglinski (214) 351
- Watson, M.D. see J.N. Yarwood (222) 175
- Watt, P.W. and M.J. North, The stress-shock response of the bacterium *Methylophilus methylotrophus* (215) 295
- Watts, A. see C.F. Dempsey (218) 173
- Wawrzynczak, E.J., A. Falasca, W.A. Jeffery, G.J. Watson and P.E. Thorpe, Identification of a tyrosine residue in the saccharide binding site of ricin B-chain using N -[14 C]acetylimidazole (219) 51
- Weakland, L.L. see J.S. Davis (208) 287
- Webb, A. see K.H. Cheeseman (209) 191
- Weber, K. see D. Fürst (224) 49
- Weber, K. see N. Geisler (221) 403
- Weber, N. and H.K. Mangold, Radioactively labeled ether lipids by biotransformation of symmetrical alkylglycerols in cell suspension cultures of rape (211) 225
- Weber, N. see H.K. Mangold (220) 220
- Wechsler, T.D., R.A. Brunisholz, G. Frank, F. Suter and H. Zuber, The complete amino acid sequence of the antenna polypeptide B806–866- β from the cytoplasmic membrane of the green bacterium *Chloroflexus aurantiacus* (210) 189
- Weetman, A.P., Recombinant γ -interferon stimulates iodide uptake and cyclic AMP production by the FTRL₅ thyroid cell line (221) 91
- Weetman, A.P., T.B. Nutman, J.R. Baker, jr and K.D. Burman, Demonstration by immunoblotting of heterogeneity in the autoantibody response directed against fat cells in Graves' disease (211) 69
- Wefers, H., D. Schulte-Frohlinde and H. Sies, Loss of transforming activity of plasmid DNA (pBR322) in *E. coli* caused by singlet molecular oxygen (211) 49
- Weglicki, W.B. see C.M. Arroyo (221) 101
- Weich, H.A., D. Herbst, H.U. Schairer and J. Hoppe, Platelet-derived growth factor: Phorbol ester induces the expression of the B-chain but not of the A-chain in HEL cells (213) 89
- Weich, H.A. see J. Hoppe (223) 243
- Weiner, L.M. see D.G. Sushkov (225) 139
- Weiner, L.M. see Ya.Yu. Woldman (212) 53
- Weingarten, D.P. see S. Kumar (208) 151
- Weinmann, R. see A. Taylor (226) 109
- Weinstein, I.B. see C.A. O'Brian (214) 339
- Weintraub, H. see C. de Pailleters (219) 113
- Welch, G.R. see M.N. Berry (224) 201
- Welinder, K.G. see P.A. Andreasen (209) 213
- Welle, R. see D.R. Biggs (220) 223
- Weller, U. see K. Aktories (212) 109
- Wells, J.R.E. see P.D. Vize (213) 155
- Wen, L. see C.-S. Wang (222) 135
- Weng, S. see C. Yang (224) 261
- Wenzl, S. see R. Schlipfenbacher (209) 57
- West, L.A. see J.S. Davis (208) 287
- Westphal, M., A. Müller-Taubenberger, A. Noegel and G. Gerisch, Transcript regulation and carboxyterminal extension of ubiquitin in *Dictyostelium discoideum* (209) 92
- Wettenhall, R.E.H. see W. Kudlicki (215) 16
- Wever, R., E. de Boer, H. Plat and B.E. Krenn, Vanadium – an element involved in the biosynthesis of halogenated compounds and nitrogen fixation (216) 1
- Whipple, D.E. see G.M. Olins (224) 325
- White, R.D. see R. Wootton (209) 129
- Whiteside, S.G. and D.J. Plocke, Identification and isolation of core histones from *Schizosaccharomyces pombe* (226) 250
- Whitford, T. see P.S. Fink (214) 75
- Whitford, T. see P.S. Fink (220) 263
- Whiting, P. and J. Lindstrom, Affinity labelling of neuronal acetylcholine receptors localizes acetylcholine-binding sites to their β -subunits (213) 55
- Whiting, P., F. Esch, S. Shimasaki and J. Lindstrom, Neuronal nicotinic acetylcholine receptor β -subunit is coded for by the cDNA clone α_4 (219) 459
- Wickremasinghe, R.G., A.R. Mire-Sluis and A.V. Hoffbrand, Interleukin-2 binding to activated human T lymphocytes triggers generation of cyclic AMP but not of inositol phosphates (220) 52
- Wickremasinghe, R.G. see B.S. Hall (223) 6
- Widdows, K.B., E.F. Kirkness and A.J. Turner, Modification of the GABA/benzodiazepine receptor with the arginine reagent, 2,3-butanedione (222) 125
- Wiemken, A. see T. Hottiger (220) 113
- Wiener, E.C., M.C. Griffor and A. Scarpa, Antibody-induced cAMP accumulation in splenocytes from athymic nude mice (224) 33
- Wiesner, R. see H. Kühn (208) 248
- Wiesner, W., K.-H. van Pee and F. Lingens, Detection of a new chloroperoxidase in *Pseudomonas pyrocinia* (209) 321
- Wiggert, B. see T. van Veen (208) 133
- Wigglesworth, N.M. see S. Kellie (213) 428
- Wikel, H. and J. Strosznajder, Phosphatidylinositol degradation in ischemic brain specifically activated by synaptosomal enzymes (216) 57
- Wilcox, M. see K. Gull (219) 31
- Wild, F. see E. Malvoisin (215) 175
- Wildner, G.F. see U. Johannningmeier (211) 221
- Wilkins, M.B. see G.A. Nimmo (213) 18
- Wilkinson, M.C. see B.N. Zaba (213) 49
- Willems, H. see F. Engels (209) 249
- Willhardt, I. see E. Kojro (212) 83
- Williams, B.A. see S.C. Huang (216) 128
- Williams, H.D. see R.K. Poole (217) 49

- Williams, R.J.P., P. Esnouf, M. Lawrence and S.A. Cederholm-Williams, The similarities and differences in structures between kringle 1 of prothrombin and kringle 4 of plasminogen (209) 111
- Williams, R.J.P., The mechanism of cytochrome oxidase and other reaction centres for electron/proton pumping (226) 1
- Williams, R.S., J.F. Allen, A.P.R. Brain and R.J. Ellis, Effect of Mg^{2+} on excitation energy transfer between LHC II and LHC I in a chlorophyll-protein complex (225) 59
- Williams, S.R. see A.E.G. Cass (220) 353
- Williamson, J.R. see C.V. Nicchitta (209) 243
- Williamson, J.R. see S.K. Joseph (219) 125
- Williamson, K.C. see B.F. Dickey (219) 289
- Williamson, P., R. Antia and R.A. Schlegel, Maintenance of membrane phospholipid asymmetry: Lipid-cytoskeletal interactions or lipid pump? (219) 316
- Wilson, D.F. see A. Pastuszko (218) 189
- Wilson, E. see E. Deli (221) 365
- Wilson, K.S. see K. Petratos (218) 209
- Wilson, P.B. see S.B. Bocckino (225) 201
- Winand, J. see J.-P. Dehaye (219) 451
- Wingfield, P., P. Graber, N.R. Movva, A.M. Gronenborn, G.M. Clore and H.R. MacDonald, N-terminal-methionylated interleukin- 1β has reduced receptor-binding affinity (215) 160
- Wingfield, P., R.H. Pain and S. Craig, Tumour necrosis factor is a compact trimer (211) 179
- Wingfield, P. see H.R. MacDonald (209) 295
- Wingfield, P. see P. Moonen (226) 314
- Winterbourn, C.C. see G.F. Vile (215) 151
- Winterhalter, K.H. see T. Schreier (213) 319
- Wion, D. see P.A. Robinson (209) 203
- Wirth, M. see R. Rümblei (221) 1
- Wise, J.G., B.J. Hicke and P.D. Boyer, Catalytic and noncatalytic nucleotide binding sites of the *Escherichia coli* F_1 ATPase: Amino acid sequences of β -subunit tryptic peptides labeled with 2-azido-ATP (223) 395
- Wise, P.J., C.J. Danpure and P.R. Jennings, Immunological heterogeneity of hepatic alanine:glyoxylate aminotransferase in primary hyperoxaluria type 1 (222) 17
- Wistow, G. see D. Carper (220) 209
- Witke, W. see A. Noegel (221) 391
- Witt, H.T. see E.J. Boekema (217) 283
- Witt, H.T. see I. Witt (221) 260
- Witt, H.T. see M. Rögner (219) 207
- Witt, H.T. see S. Gerken (223) 376
- Witt, I., H.T. Witt, S. Gerken, W. Saenger, J.P. Dekker and M. Rögner, Crystallization of reaction center I of photosynthesis: Low-concentration crystallization of photoactive protein complexes from the cyanobacterium *Synechococcus* sp. (221) 260
- Witt, I. see E.J. Boekema (217) 283
- Wittmann, H.G. see J. Piefke (209) 104
- Wittmann, H.G. see M. Shoham (208) 321
- Witzemann, V., B. Barg, Y. Nishikawa, B. Sakmann and S. Numa, Differential regulation of muscle acetylcholine receptor γ - and ϵ -subunit mRNAs (223) 104
- Wohlfeil, S. see G. Theiss (218) 159
- Woldman, Ya.Yu., L.M. Weiner, L.F. Gulayeva and V.V. Lyakhovich, NMR study of the interaction of P-450 with 4-methoxypyridine (212) 53
- Wolf, A., T.M. Fritzsche, B. Rudy and W.E. Trommer, Synthesis of spin-labeled photoaffinity derivatives of NAD^+ and their interaction with lactate dehydrogenase (212) 203
- Wolf, C.R. see K. Kelly (222) 120
- Wolf, D.H. see J.-C. Wagner (218) 31
- Wolf, D.H. see J.-C. Wagner (221) 423
- Wolfe, R.S. see D. Ankel-Fuchs (213) 123
- Wolfson, A.D. see Y.A. Motorin (220) 363
- Wollman, F.A. see J. Olive (208) 308
- Wong, E.H.A., J.A. Smith and L. Jarett, Adenosine and oxytocin reverse antagonism of cyclic AMP elevating agents to insulin activation of adipocyte pyruvate dehydrogenase (213) 419
- Wong, K. see J. Ginsberg (226) 223
- Wong, S.S. see A. Chen (214) 192
- Wonnacott, S. see C. Rapier (212) 292
- Wonnacott, S. see D.R.F. Macallan (226) 357
- Wonnacott, S. see Y. Aracava (222) 63
- Woolley, G.A., M.K. Kapral and C.M. Deber, Potential-sensitive membrane association of a fluorescent dye (224) 337
- Woolley, P. see B. Epe (213) 443
- Wootton, R., D.K. Stammers and R.D. White, Reduction in potency and reversal of left-shifting activity of BW12C with the major and minor components of chicken hemoglobin (209) 129
- Worthington, J., C.-T.J. Chan and P.G.H. Byfield, Novel separation method for serum immunoglobulins: Application to thyroid related antibodies (211) 123
- Wouters, W., J. Van Dun and P.M. Laduron, Identification of the serotonin- S_2 receptor ligand binding site by photoaffinity labelling with 7-azido-8- $[^{125}I]$ ketanserin ($[^{125}I]$ AZIK) (213) 359
- Wren, B.W., C.L. Clayton, P.P. Mullany and S. Tabaqchali, Molecular cloning and expression of *Clostridium difficile* toxin A in *Escherichia coli* K12 (225) 82
- Wright, P.E. see C. Dalvit (213) 289
- Wright, P.E. see W.J. Chazin (222) 109
- Wrotek, M. see Yu.S. Borovikov (223) 409
- Wu, J.-J. see D.R. Eyre (220) 337
- Wu, S.X. see Y.X. Zhu (208) 253
- Wun, T.-C. and K.K. Kretzmer, cDNA cloning and expression in *E. coli* of a plasminogen activator inhibitor (PAI) related to a PAI produced by Hep G2 hepatoma cell (210) 11
- Wijermans, P.W. see A.H.L. Koenderman (222) 42

X

- Xanthopoulos, K.G. see D.-A. Lidholm (226) 8
- Xavier, A.V. see G.D. Fauque (215) 63
- Xue, Z., C.G. Miller, J.-M. Zhou and P.D. Boyer, Catalytic and noncatalytic nucleotide binding sites of chloroplast F_1 ATPase: Photoaffinity labeling and peptide sequencing (223) 391

Y

- Yaffe, M.B. see H. Sternlicht (214) 226
- Yagi, K. see M. Ikura (219) 17
- Yagi, T. see J.P. Gayda (217) 57
- Yahara, I. see S. Ohno (222) 279
- Yamada, H. see J.M. Kim (210) 77
- Yamada, K.M. see M. Obara (213) 261
- Yamada, K. see M. Tanokura (209) 77
- Yamada, S. see T. Hayashi (218) 200

- Yamada, T. see N. Takasu (225) 43
 Yamada, Y. see Y. Seino (223) 74
 Yamagishi, R., T. Koide and N. Sakuragawa, Binding of heparin or dermatan sulfate to thrombin is essential for the sulfated polysaccharide-accelerated inhibition of thrombin by heparin cofactor II (225) 109
 Yamaguchi, A., H. Adachi and T. Sawai, Identification of the active site of *Citrobacter freundii* β -lactamase using dansyl-penicillin (218) 126
 Yamaguchi, A., M. Yanai, N. Tomiyama and T. Sawai, Effects of magnesium and sodium ions on the outer membrane permeability of cephalosporins in *Escherichia coli* (208) 43
 Yamaguchi, A., N. Yamamoto, H. Kitagawa, K. Tanoue and H. Yamazaki, Ca^{2+} influx mediated through the GPIIb/IIIa complex during platelet activation (225) 228
 Yamaguchi, J., H. Mori and M. Nishimura, Biosynthesis and intracellular transport of glyoxysomal malate dehydrogenase in germinating pumpkin cotyledons (213) 329
 Yamaguchi, T. see A. Tomoda (219) 472
 Yamaguchi-Shinozaki, K., K. Shinozaki and M. Sugiura, Processing of precursor tRNAs in a chloroplast lysate: Processing of the 5'-end involves endonucleolytic cleavage by an RNase P-like enzyme and precedes 3'-end maturation (215) 132
 Yamakuni, T., F. Ozawa, F. Hishinuma, R. Kuwano, Y. Takahashi and T. Amano, Expression of β -nerve growth factor mRNA in rat glioma cells and astrocytes from rat brain (223) 117
 Yamakura, F. see T. Isobe (223) 92
 Yamamoto, K. see T. Hayashi (218) 200
 Yamamoto, K. see T. Tanimoto (226) 291
 Yamamoto, K., The binding of skeletal muscle C-protein to regulated actin (208) 123
 Yamamoto, N. see A. Yamaguchi (225) 228
 Yamamoto, N. see M. Ohshima (225) 243
 Yamamoto, S. see N. Sasakawa (223) 413
 Yamamoto, T. see H. Tokuda (215) 335
 Yamamoto, T. see K. Kariya (217) 69
 Yamamoto, T. see N. Tomita (225) 113
 Yamamoto, T., Y. Furuki, J.W. Kebejian and M. Spatz, α -Melanocyte-stimulating hormone secretion from permeabilized intermediate lobe cells of rat pituitary gland: The role of guanine nucleotides (219) 326
 Yamamoto, Y., Assignment of hyperfine shifted haem methyl carbon resonances in paramagnetic low-spin met-cyano complex of sperm whale myoglobin (222) 115
 Yamamoto, Yasusi see Y. Isogai (224)
 Yamamoto, Yasuyuki see Y. Isogai (224) 71
 Yamamura, H. see A. Takeda (210) 169
 Yamasaki, T. see H. Nakajima (223) 113
 Yamashina, I. see A. Kurosaka (215) 137
 Yamashita, I. see T. Itoh (219) 339
 Yamashita, S. see T. Shinozawa (219) 293
 Yamashita, T. see T. Tsuda (208) 39
 Yamauchi, F. see H. Kagawa (226) 145
 Yamauchi, T. see T. Ichimura (219) 79
 Yamaya, H. see K. Kuwajima (221) 115
 Yamazaki, H. see A. Yamaguchi (225) 228
 Yamazaki, I. see M. Mimuro (213) 119
 Yamazaki, I. see S. Hashimoto (208) 305
 Yamazaki, M., C. Ichihara and S. Nagasawa, Evidence that a nicked C4b, C4b', is a functionally active C4b derivative (208) 147
 Yamazaki, T. see M. Mimuro (213) 119
 Yanai, M. see A. Yamaguchi (208) 43
 Yang, C., Z.-W. Gu, W. Patsch, S. Weng, T.W. Kim and L. Chan, The complete amino acid sequence of proapolipoprotein A-I of chicken high density lipoproteins (224) 261
 Yano, H. see Y. Seino (223) 74
 Yano, J. see H. Hayashi (223) 267
 Yao, M. see Y. Kubota (212) 159
 Yapo, A. see J.-P. Tenu (220) 93
 Yartzev, A.P. see S.V. Chekalin (216) 245
 Yarwood, A. see M. Richardson (216) 145
 Yarwood, J.N., N. Harris, A. Delauney, R.R.D. Croy, J.A. Gatehouse, M.D. Watson and D. Boulter, Construction of a hybrid cDNA encoding a major legumin precursor polypeptide and its expression and localization in *Saccharomyces cerevisiae* (222) 175
 Yasuda, H. see H. Kawaguchi (221) 305
 Yatani, A. see J. Codina (216) 104
 Yates, C.M. see J. Simpson (217) 62
 Yaxley, J.C. see J.D. Norton (215) 127
 Yazawa, M. see M. Ikura (219) 17
 Yeaman, S.J. see A.P. Bradford (222) 211
 Yee, D.K. see A. Pastuszko (218) 189
 Yialouris, P.P. see A.A. Haritos (218) 107
 Yokoyama, K. see N. Murazumi (218) 131
 Yokoyama, S. see T. Hiwasa (211) 23
 Yonath, A. see J. Piefke (209) 104
 Yonath, A. see M. Shoham (208) 321
 Yonemura, D. see A. Tomoda (219) 472
 Yonetani, T. see C. Balny (221) 349
 Yoneyama, Y. see A. Tomoda (219) 472
 Yonuschot, G., E.K. Matthews, A.N. Corps and J.C. Metcalfe, Permeabilization of thymocytes by photon activation of erythrosin (213) 401
 Yoshida, M. see J. Inoue (209) 187
 Yoshida, T. see H. Fukuzawa (220) 61
 Yoshikami, D. see D.H. Feldman (214) 295
 Yoshimi, H. see Y. Hirata (219) 369
 Yoshimoto, T. see S. Ishiura (215) 195
 Yoshioka, T. see Y. Kubota (212) 159
 Yoshizawa, T. see M. Ariki (225) 255
 Young, D.A. see A. Klip (224) 224
 Young, J. see H. Desmond (210) 185
 Young, M. and J. Cullum, A plausible mechanism for large-scale chromosomal DNA amplification in streptomycetes (212) 10
 Young, W.S. iii, Corticotropin-releasing factor mRNA in the hypothalamus is affected differently by drinking saline and by dehydration (208) 158
 Yu, Q.S., A. Brossi and J.L. Flippen-Anderson, S-configuration of (+)-primaquine by X-ray analysis of the urea obtained with R-(+)-1-phenylethylisocyanate (221) 325
 Yu, V.C. see F.-J. Klinz (224) 43
 Yusupov, M.M. see S.D. Trakhanov (220) 319
 Yusupov, M.M. see S.E. Sedelnikova (220) 227

Z

- Zaba, B.N., M.C. Wilkinson, D.M. Taylor, T.J. Lewis and D.L. Laidman, Electrochemical characteristics of platinum electrodes coated with cytochrome *b₅*-phospholipid monolayers (213) 49
 Zachowski, A., P. Fellmann, P. Hervé and P.F. Devaux, Labeling of human erythrocyte membrane proteins by photoactivatable radioiodinated phosphatidylcholine and phosphatidylserine: A search for the aminophospholipid translocase (223) 315

- Zagranichny, V.E. see Yu.A. Ovchinnikov (223) 169
 Zahradka, P., Probing DNA polymerase α with monoclonal antibodies (212) 259
 Zaidi, Z.H. see O.U. Beg (216) 270
 Zaita, N., K. Torazawa, K. Shinozaki and M. Sugiura, *Trans* splicing in vivo: joining of transcripts from the 'divided' gene for ribosomal protein S12 in the chloroplasts of tobacco (210) 153
 Zajac, J.-M., Y. Charnay, J.-M. Soleilhac, N. Sales and B.P. Roques, Enkephalin-degrading enzymes and angiotensin-converting enzyme in human and rat meninges (216) 118
 Zakharova, N.I. see V.Z. Paschenko (214) 28
 Zalewski, P.D. see J.K. French (212) 242
 Zamai, M. see D. Masson (208) 84
 Zammit, V.A. see D. Carling (223) 217
 Zandberg, J. see P.H. Steenbergh (209) 97
 Zanetti, G. see G. Merati (215) 37
 Zanolini, F. see F. Guerrieri (213) 67
 Zardi, L. see B. Carnemolla (215) 269
 Zavoico, G.B. see F. O'Rourke (214) 176
 Zayakina, G.V. see V.G. Metelev (226) 232
 Zeelen, J.P. see G.D.F. Macssen (223) 181
 Zelinka, J. see J. Šimúth (218) 163
 Zelinka, J. see S.V. Shlyapnikov (209) 335
 Zeman, K.L. see K.R. Parker (211) 35
 Zenita, K. see E. Takano (208) 199
 Zeuthen, J. see T. Lund (208) 369
 Zhang, D. see Q.A. Vu (220) 79
 Zhang, H.L. see Y.X. Zhu (208) 253
 Zhang, S.Y. see Y.X. Zhu (208) 253
 Zhou, J.-M. see Z. Xue (223) 391
 Zhu, Y.X., K.L. Hsi, Z.G. Chen, H.L. Zhang, S.X. Wu, S.Y. Zhang, P.F. Fang, S.Y. Guo, Y.S. Kao and K. Tsou, Neo-kyotorphin, an analgesic peptide isolated from human lung carcinoma (208) 253
 Ziegler, K., W. Lockau and W. Nitschke, Bound electron acceptors of photosystem I: Evidence against the identity of redox center A_1 with phyloquinone (217) 16
 Žilinskienė, V. see B. Kholodenko (223) 247
 Zimmet, J. see K.A. Jacobson (225) 97
 Zinker, S. see J. Silva (214) 71
 Živković, R. see M.M. Kostić (217) 163
 Zlatanov, I.V., M. Foley, J. Birmingham and P.B. Garland, Developmental changes in the lateral diffusion of Leydig cell membranes measured by the FRAP method (222) 47
 Zon, G. see V. Sklenář (208) 94
 Zon, G. see V. Sklenář (216) 249
 Zorina, V.V. see L.A. Drachev (209) 316
 Zorina, V.V. see L.A. Drachev (226) 139
 Zuber, H. see F. Suter (217) 279
 Zuber, H. see R. Rumbeli (221) 1
 Zuber, H. see T.D. Wechsler (210) 189
 Zueva, M.Y. see V.V. Kupriyanov (208) 89
 Zupec, M.E. see G.M. Olins (224) 325
 Zvelebil, M.J. see M.J.E. Sternberg (218) 231
 Zweibaum, A. see M. Rousset (208) 34
 Zwengelstein, G. see E. Malvoisin (215) 175